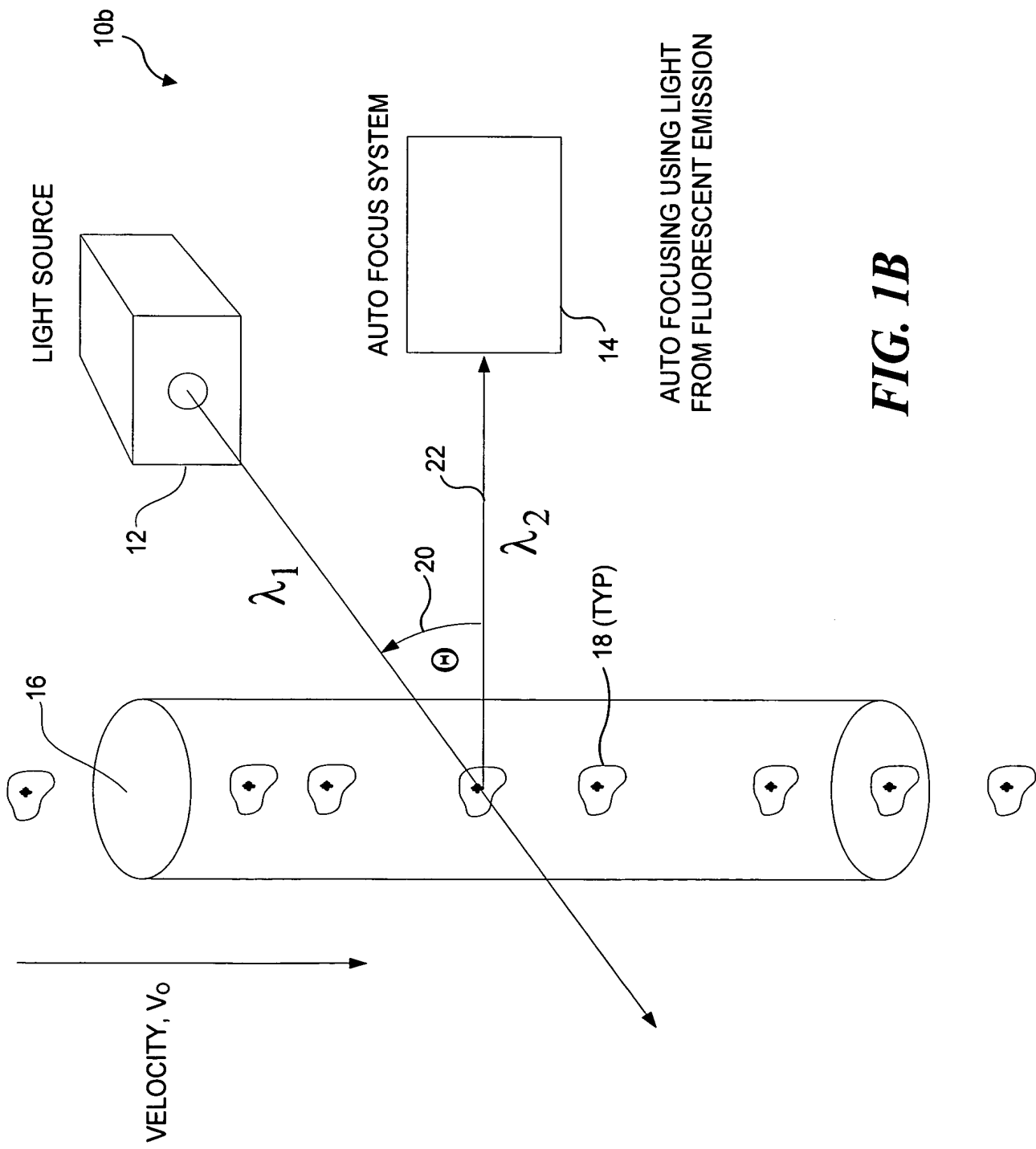


FIG. 1A



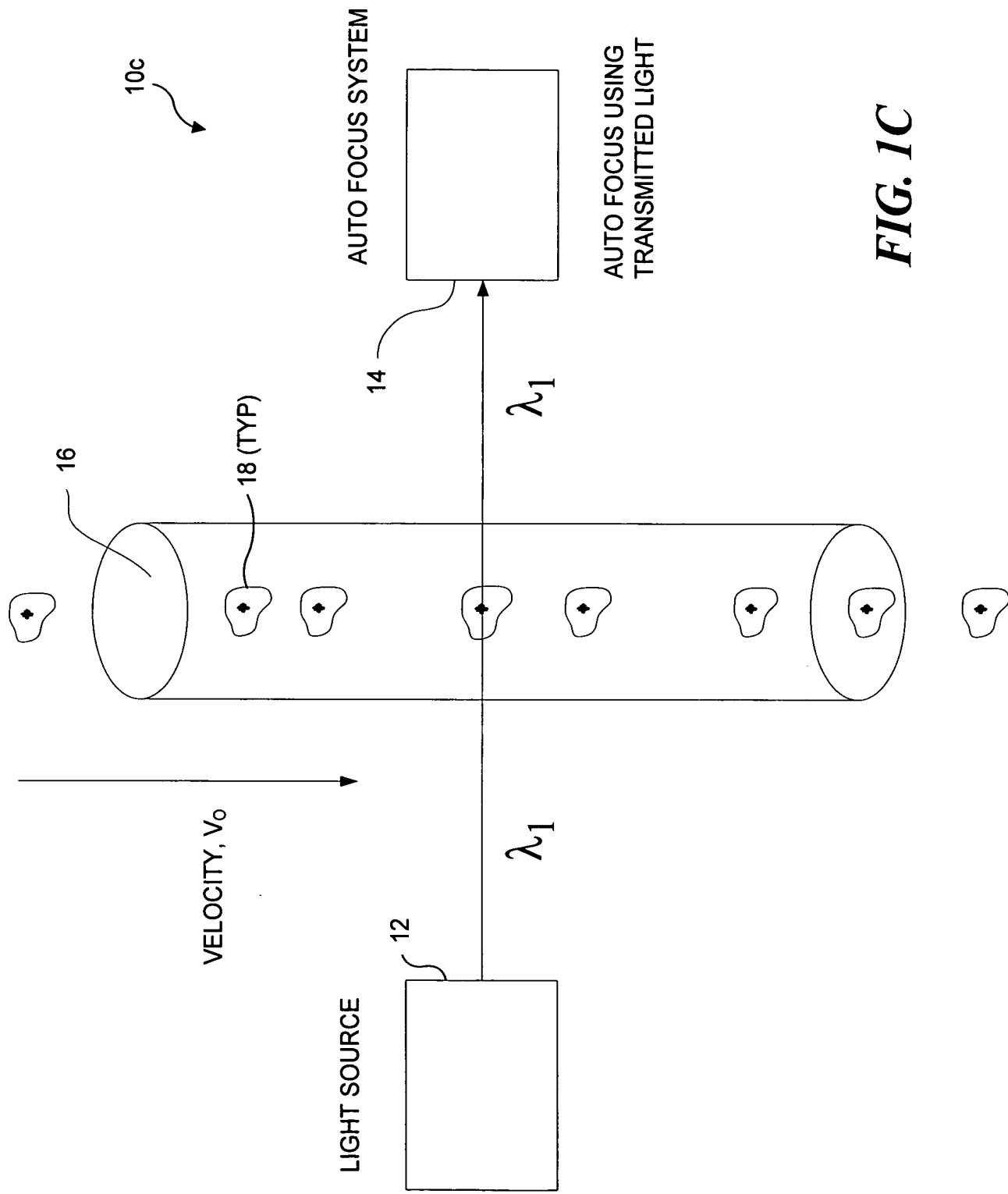
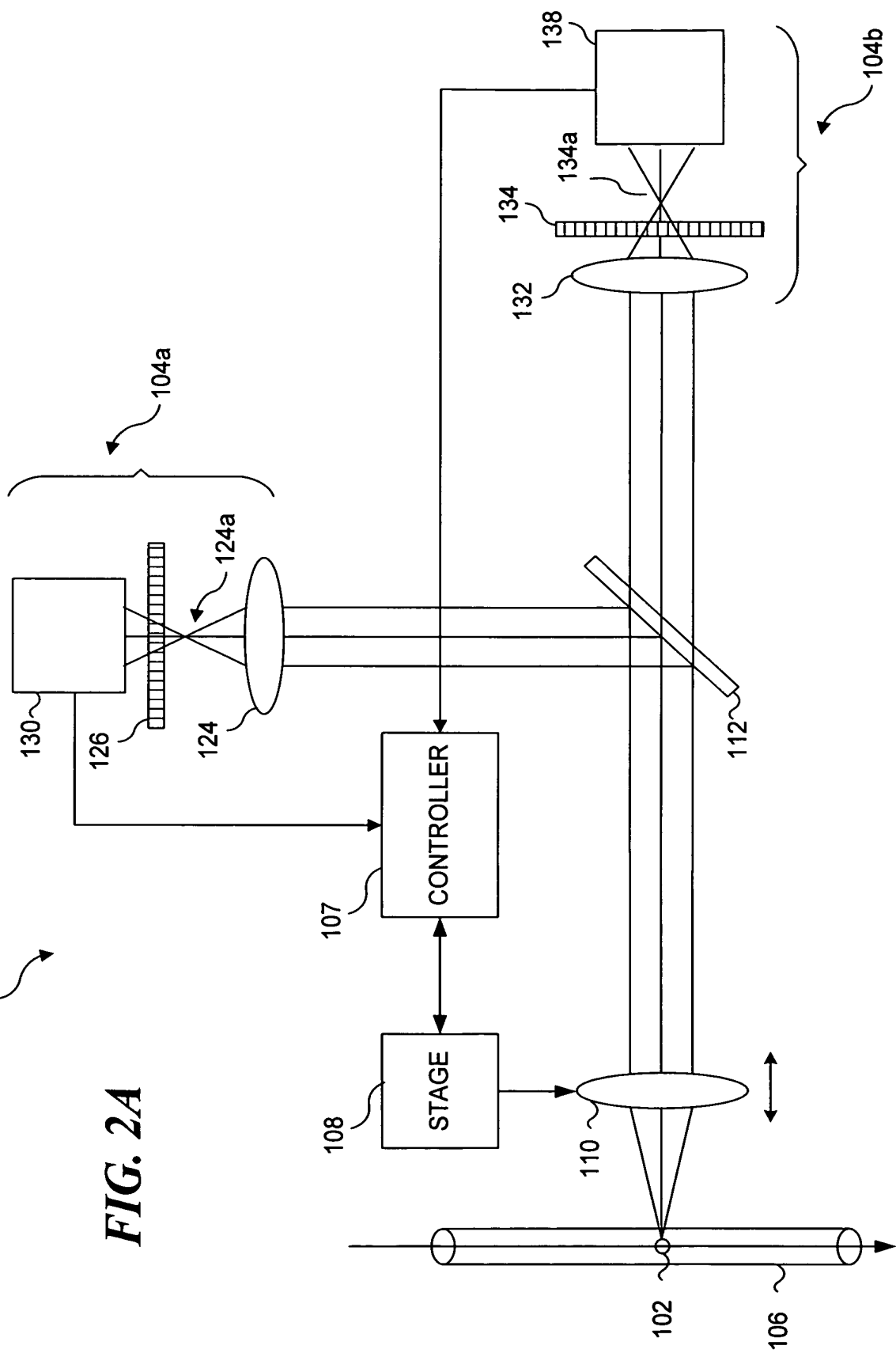


FIG. 1C

100a

FIG. 2A



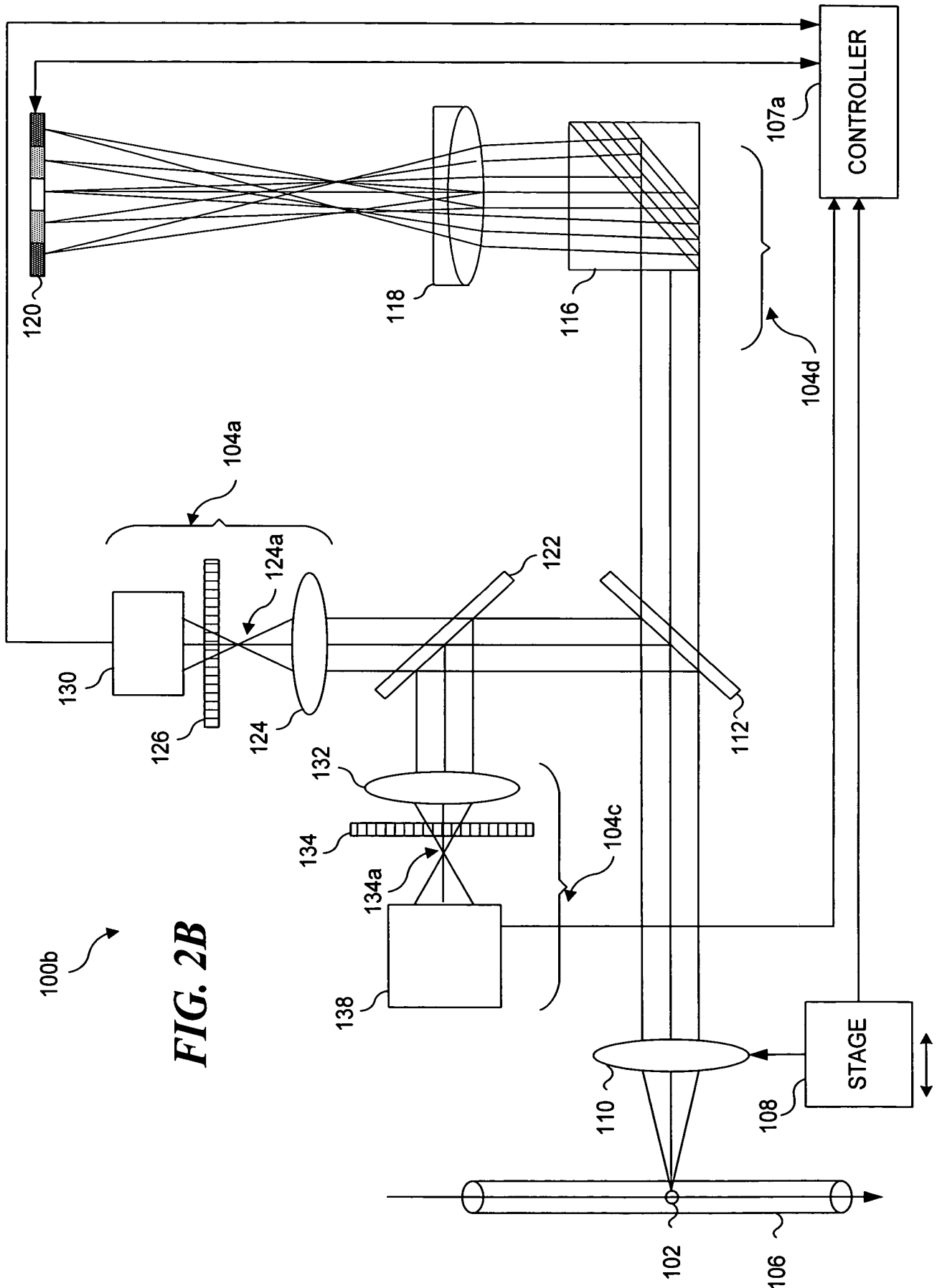
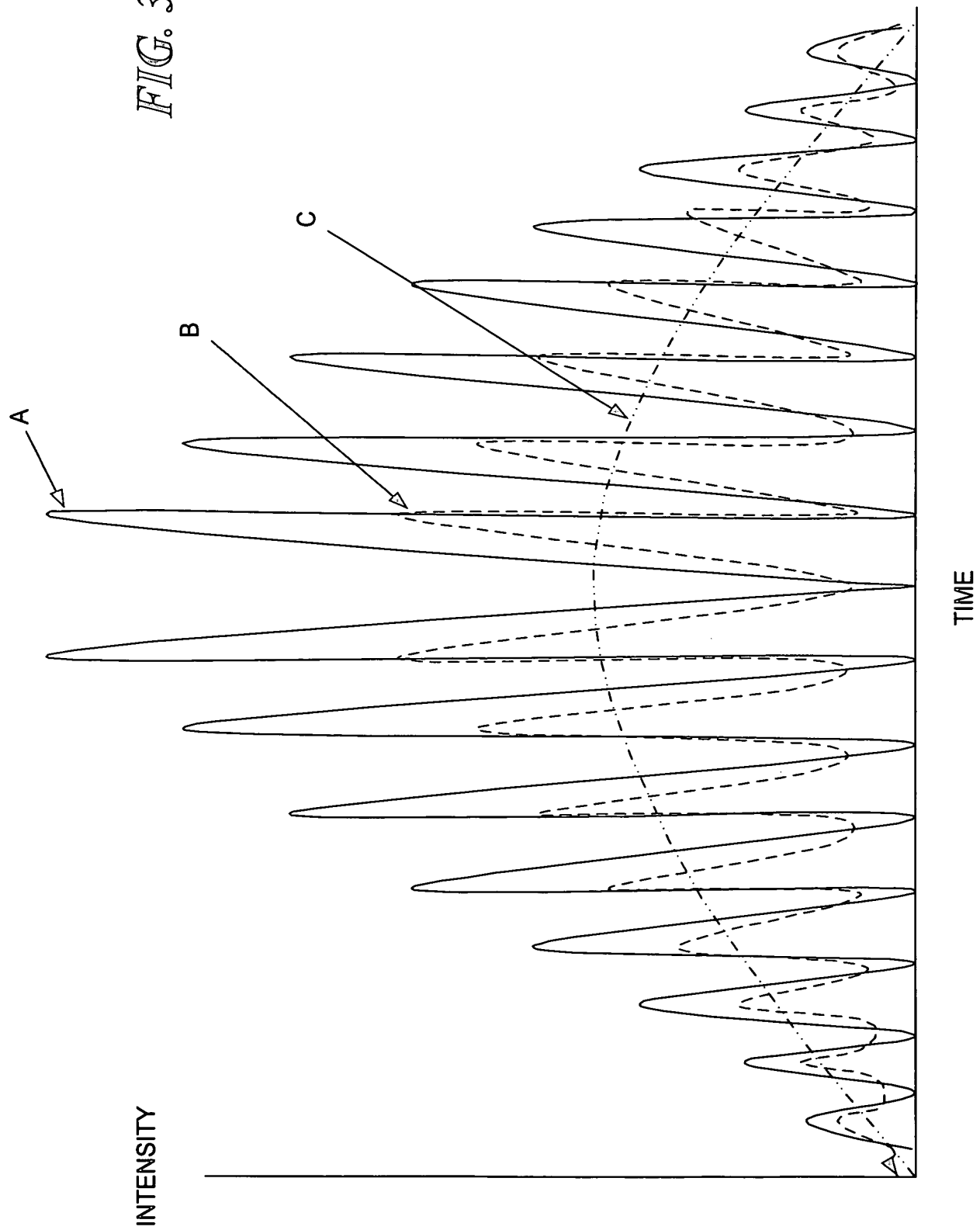


FIG. 2B

FIG. 3



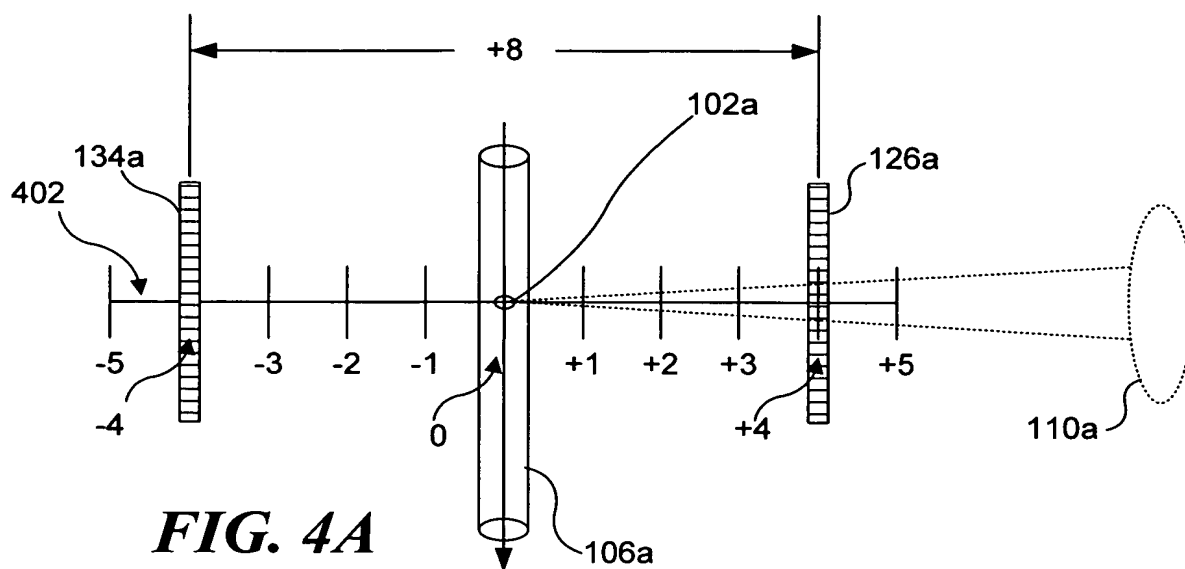


FIG. 4A

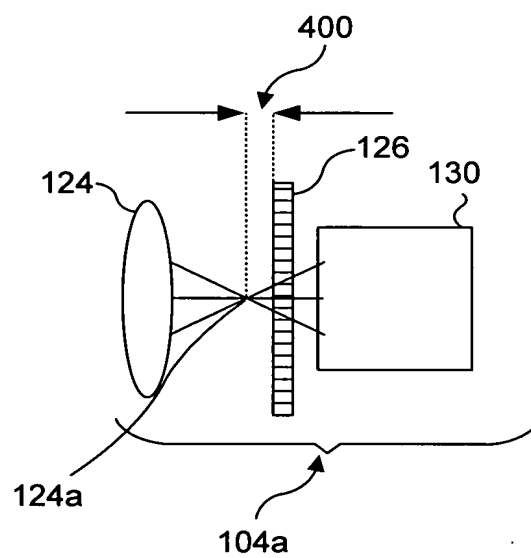


FIG. 4B

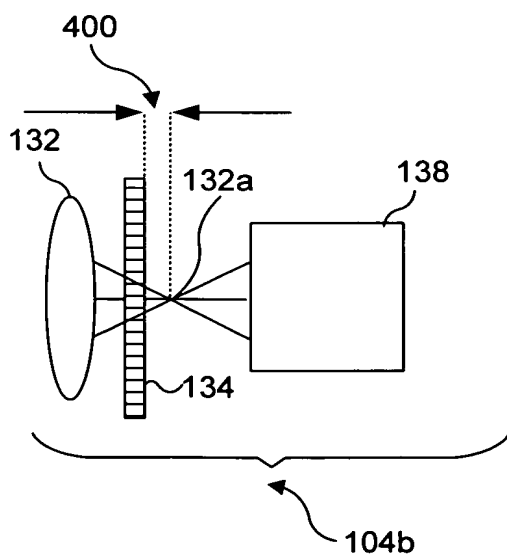


FIG. 4C

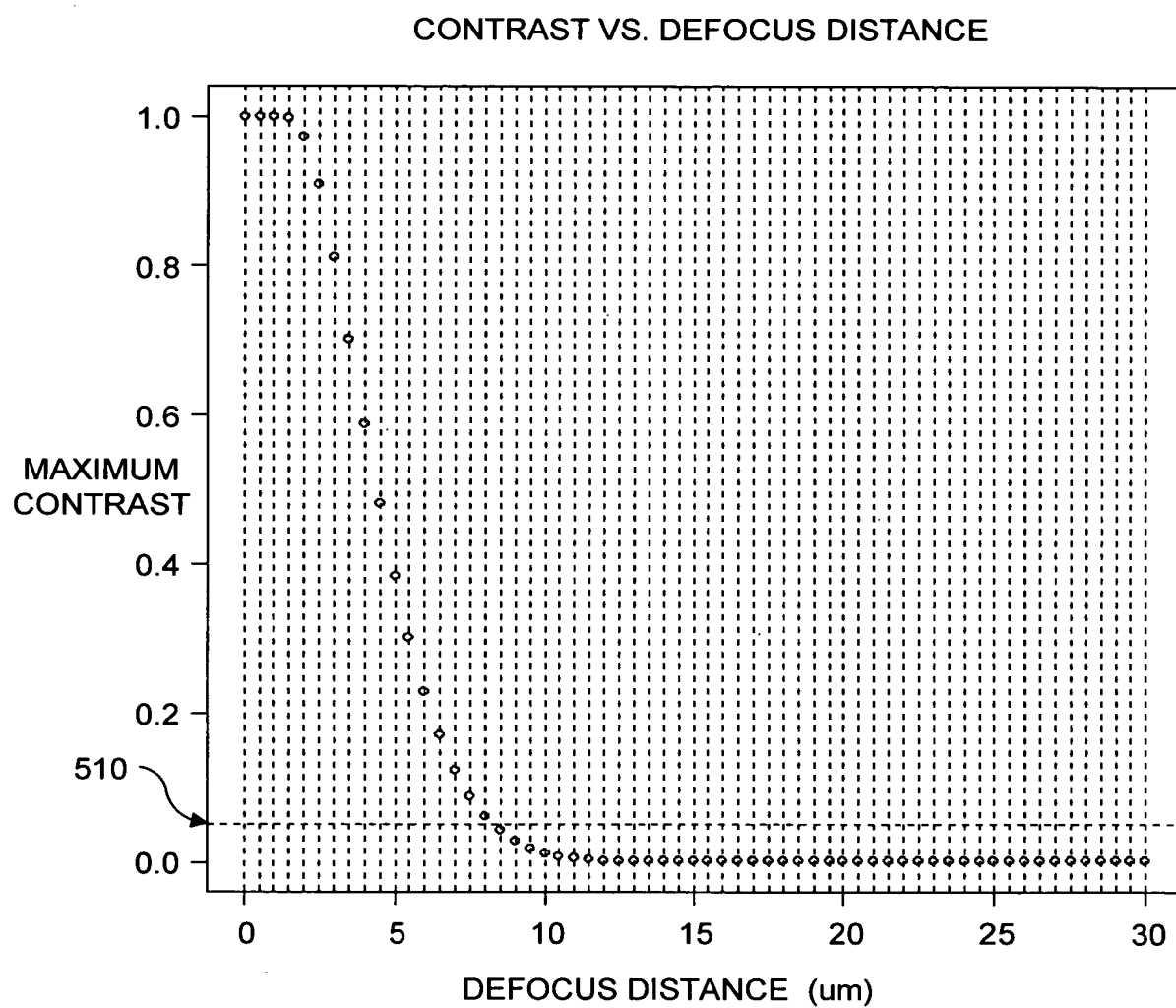


FIG. 5A

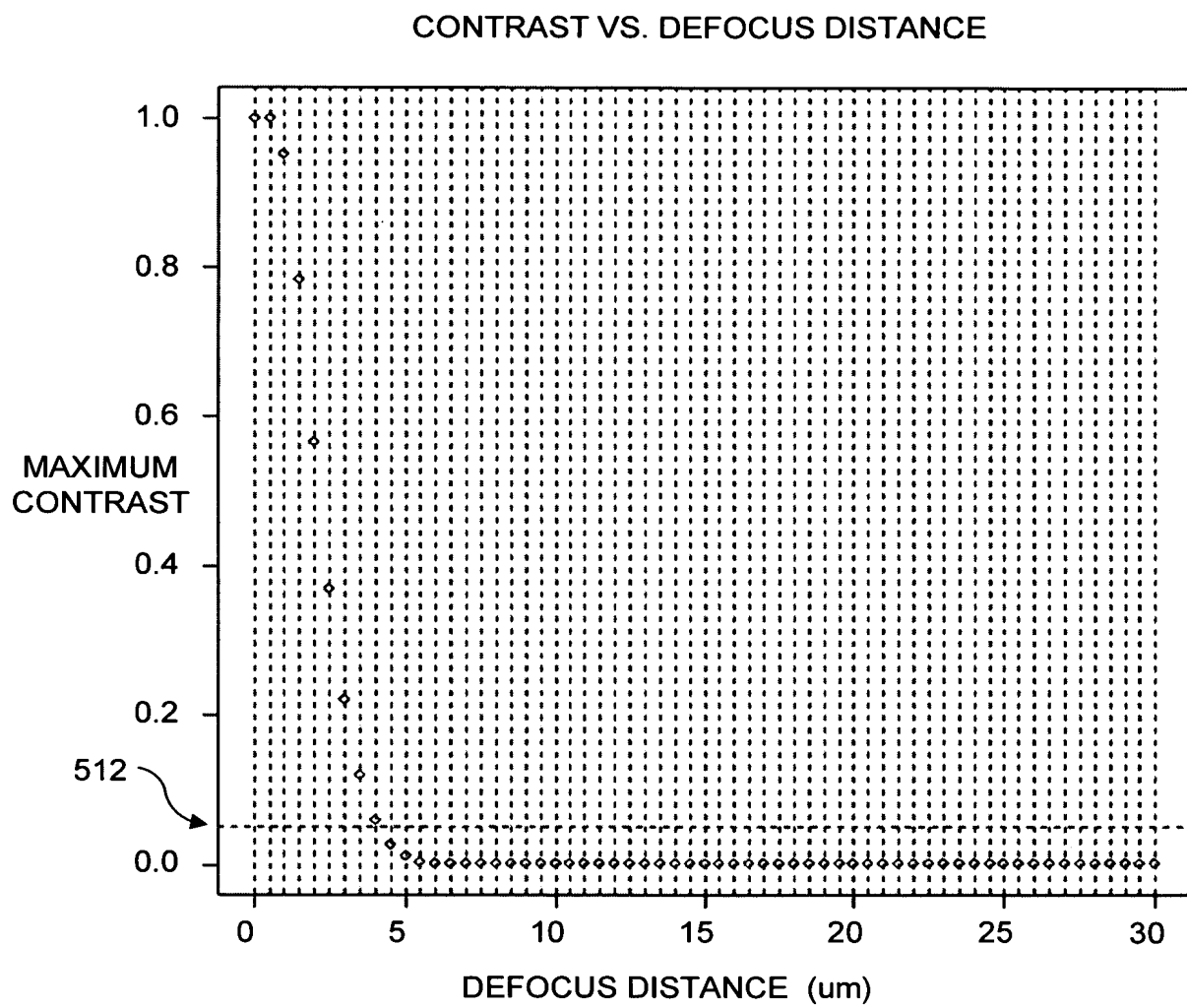
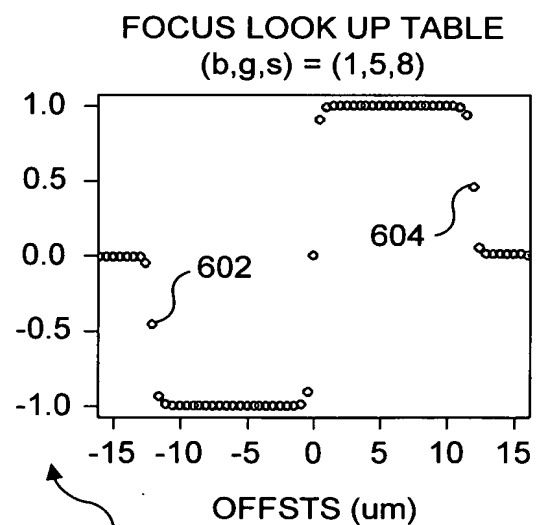
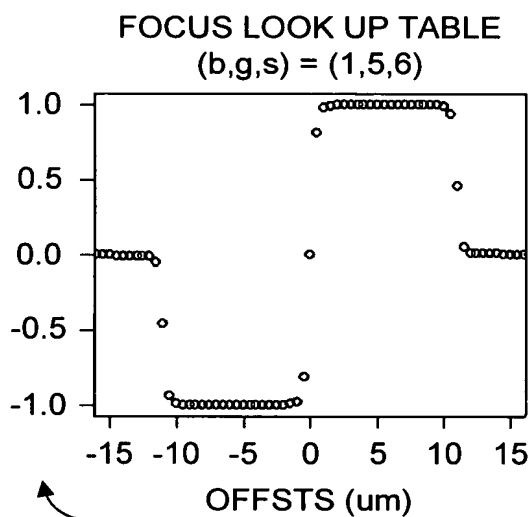
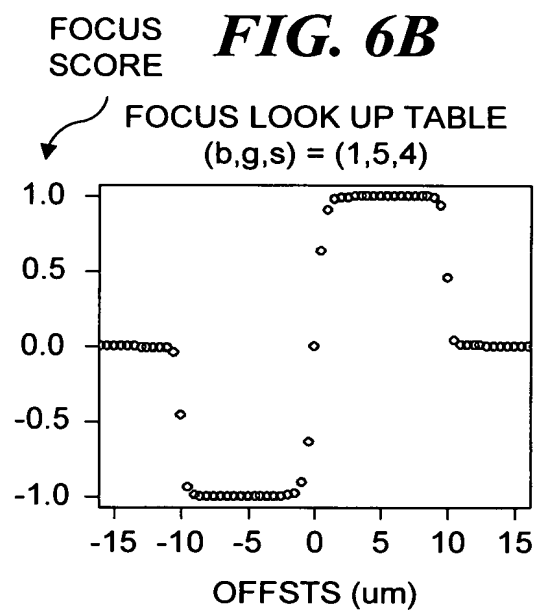
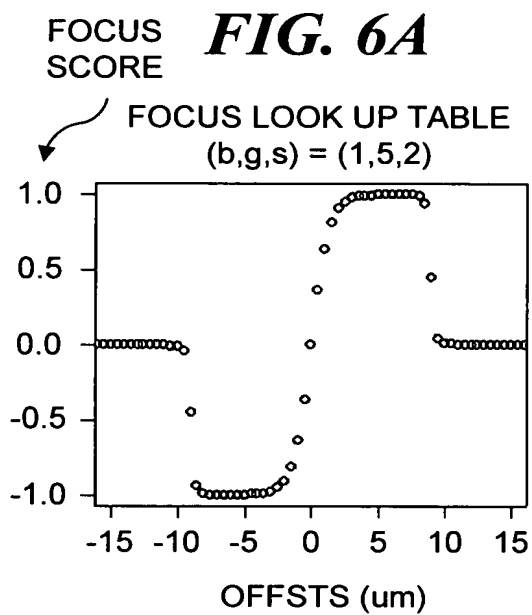


FIG. 5B



FOCUS SCORE **FIG. 6C**

FOCUS SCORE **FIG. 6D**

FIG. 7A

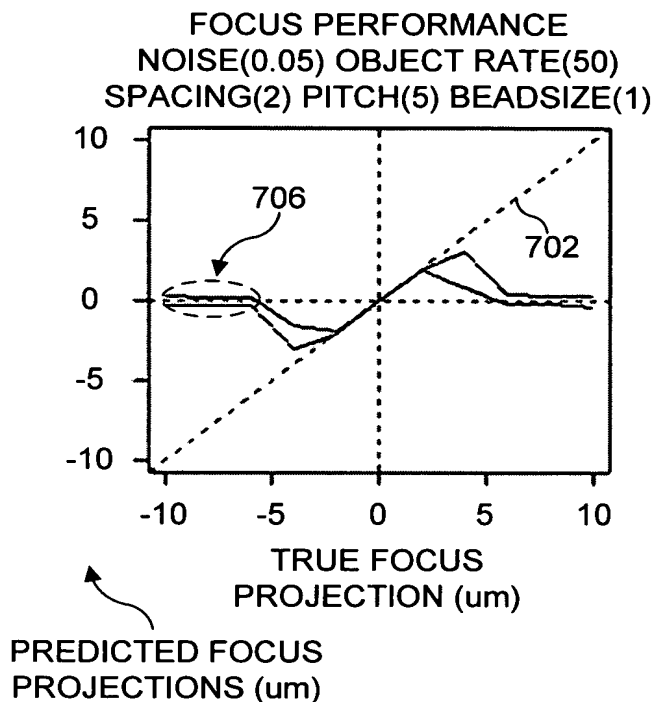


FIG. 7B

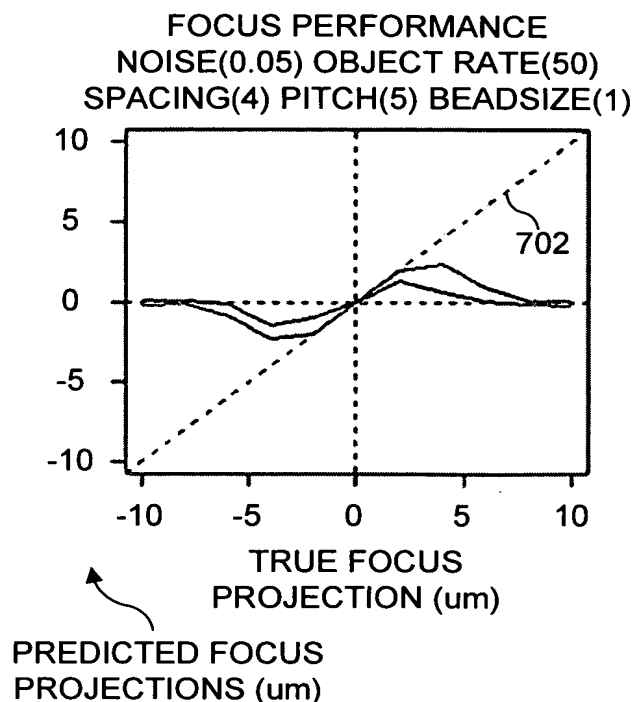


FIG. 7C

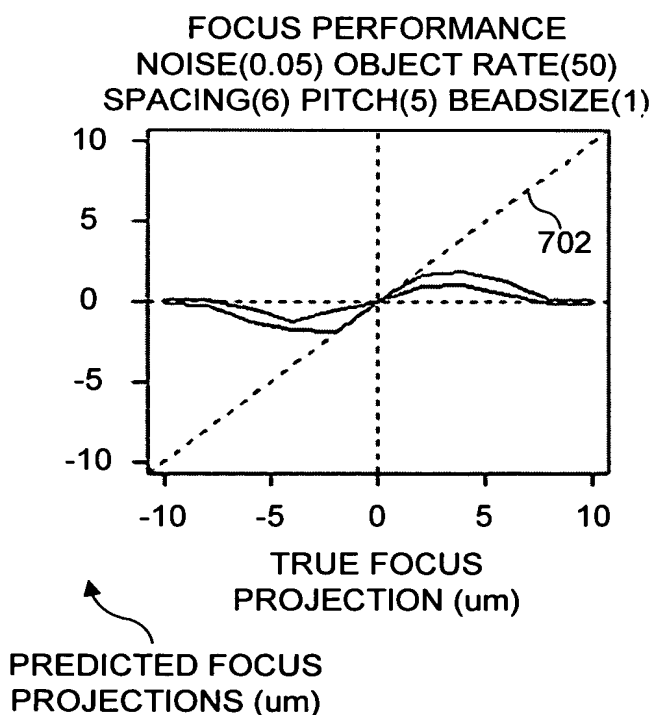


FIG. 7D

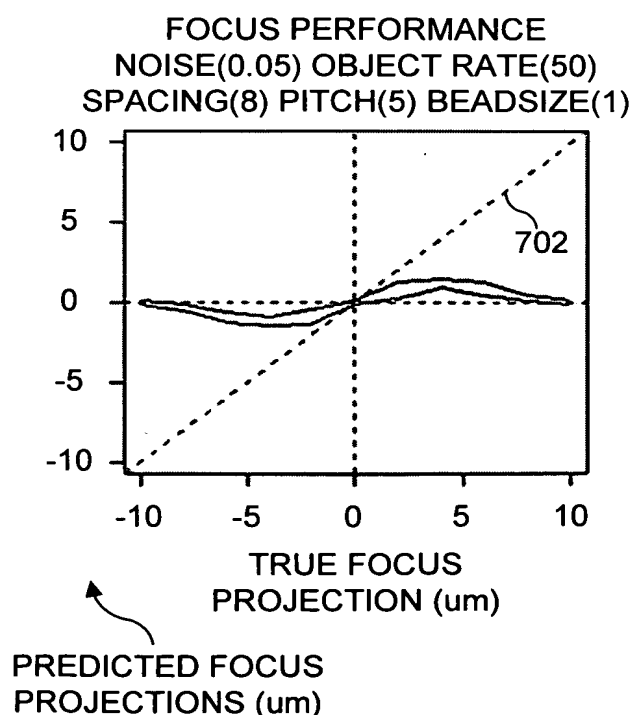
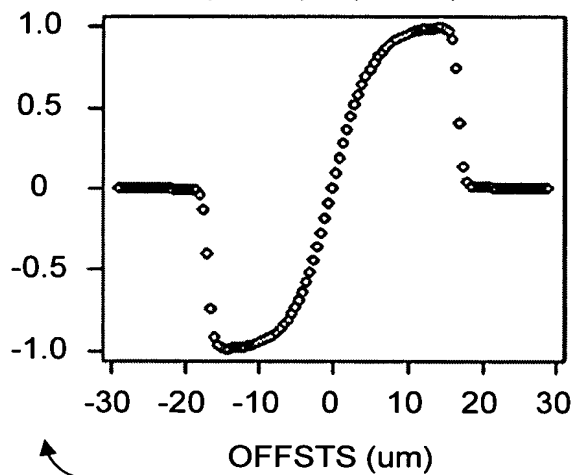


FIG. 8A

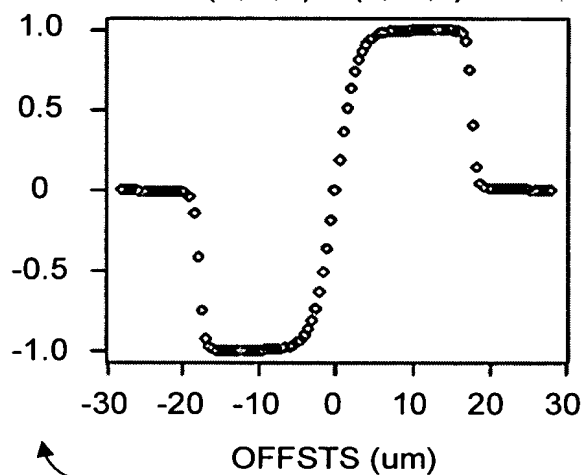
FOCUS LOOK UP TABLE
(B,G,S) = (1,10,2)



FOCUS SCORE

FIG. 8B

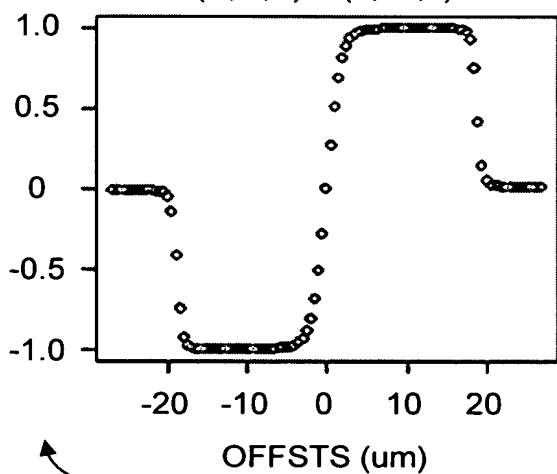
FOCUS LOOK UP TABLE
(B,G,S) = (1,10,4)



FOCUS SCORE

FIG. 8C

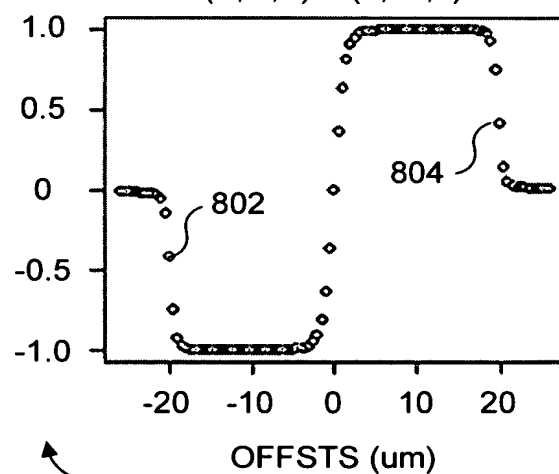
FOCUS LOOK UP TABLE
(B,G,S) = (1,10,6)



FOCUS SCORE

FIG. 8D

FOCUS LOOK UP TABLE
(B,G,S) = (1,10,8)



FOCUS SCORE

FIG. 9A

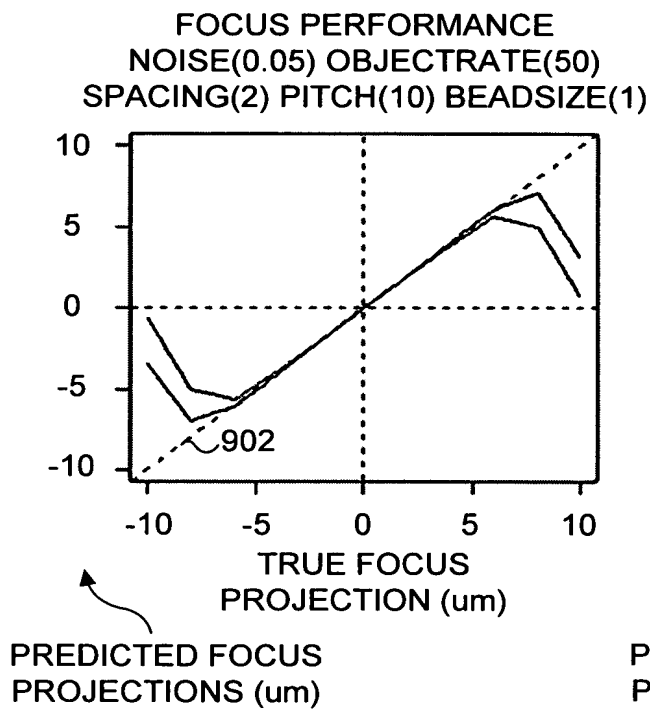


FIG. 9B

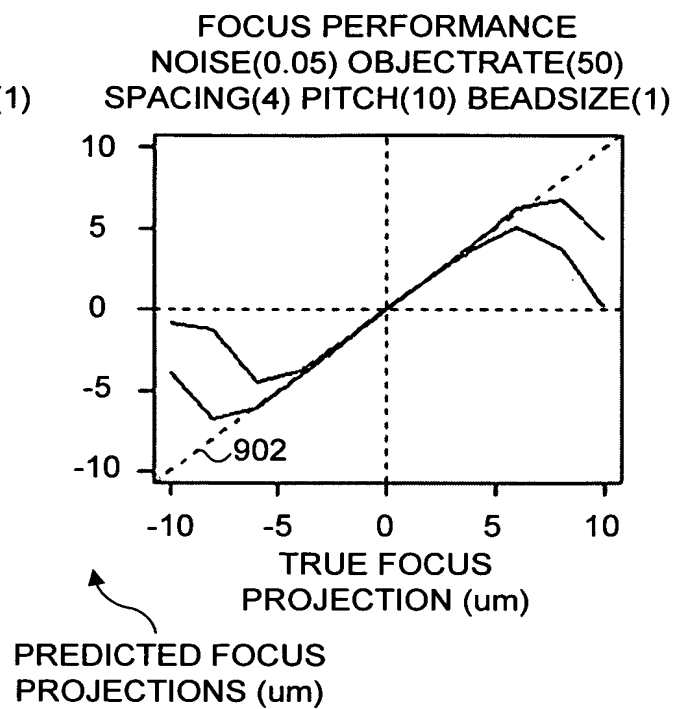


FIG. 9C

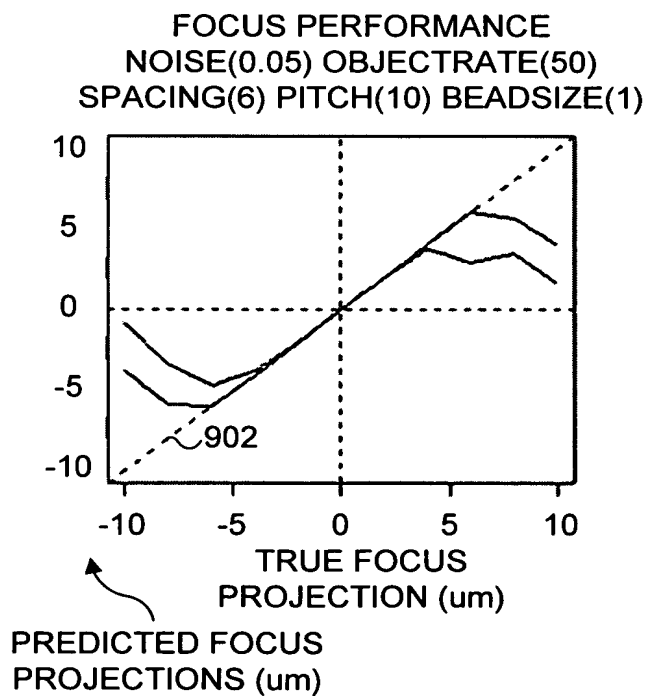
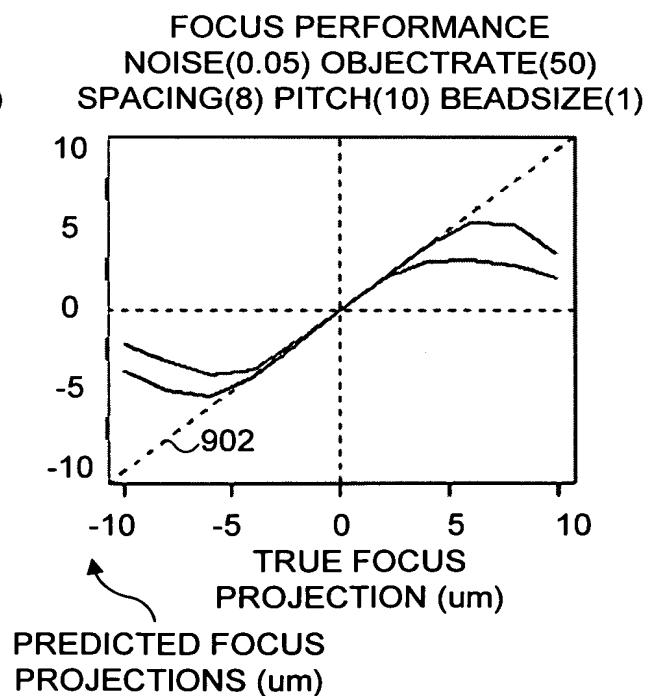
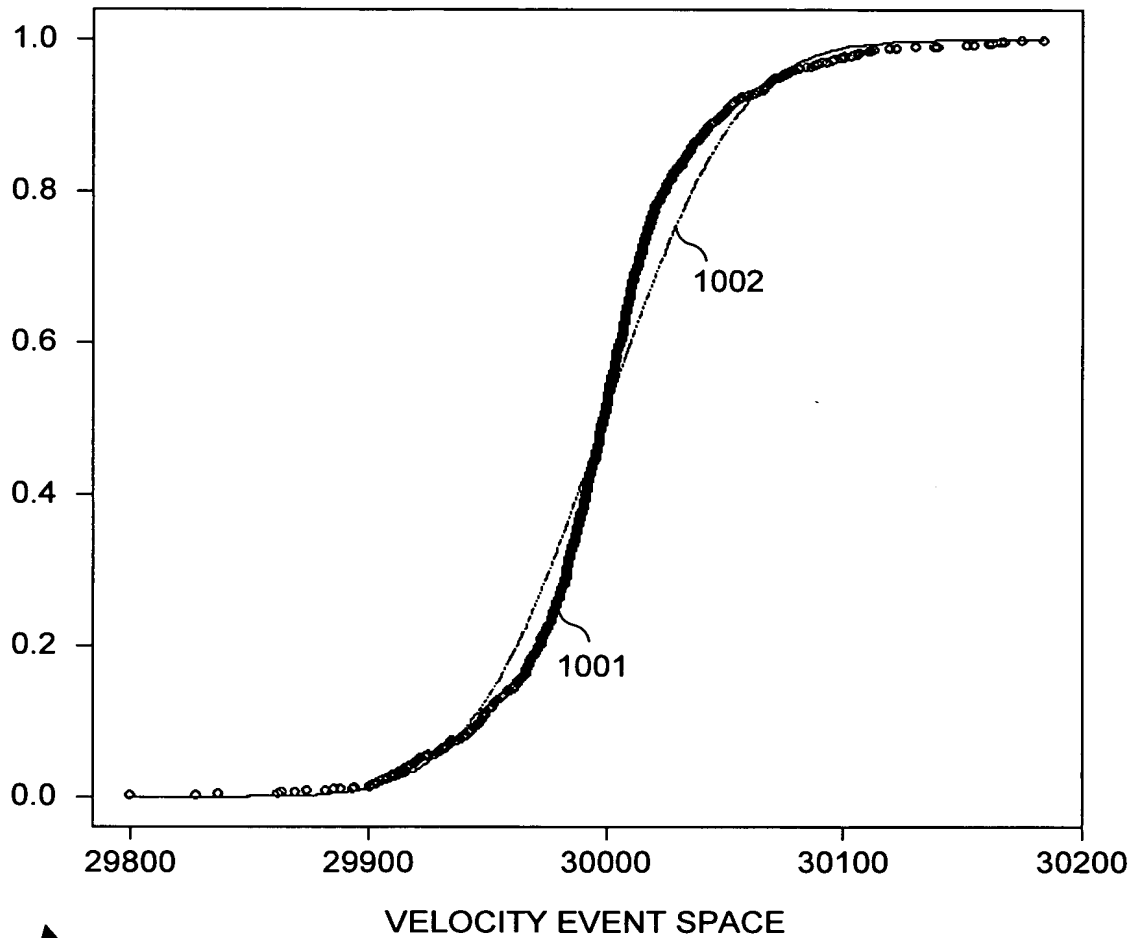


FIG. 9D



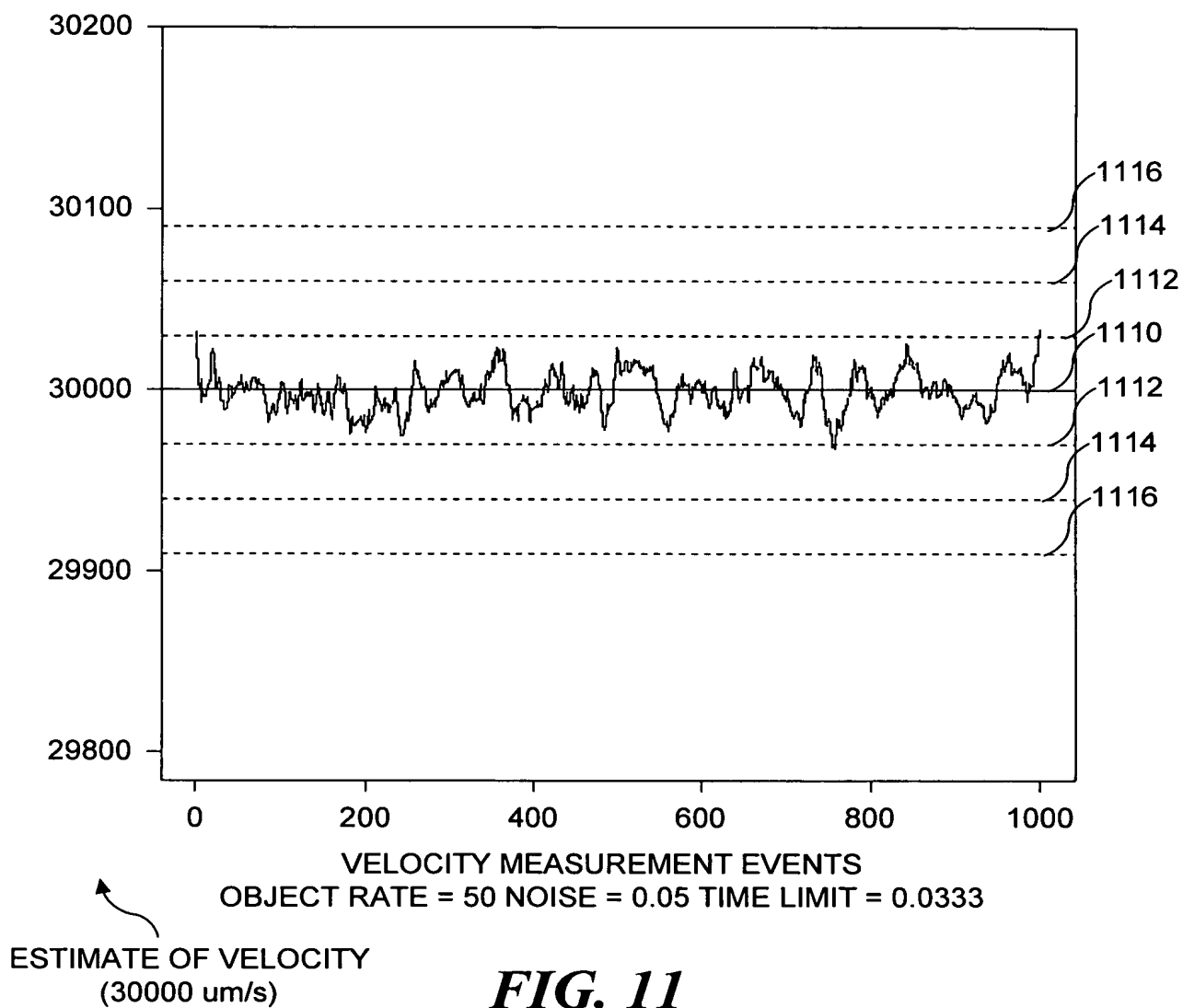
VELOCITY REPORT #1
VELOCITY DISTRIBUTION: GAUSSIAN (29999.1,43.9)



↑
CUMULATIVE
DISTRIBUTION
ESTIMATION

FIG. 10

VELOCITY REPORT #1
FILTERED MEASUREMENT (16) VS. RAW MEASUREMENT



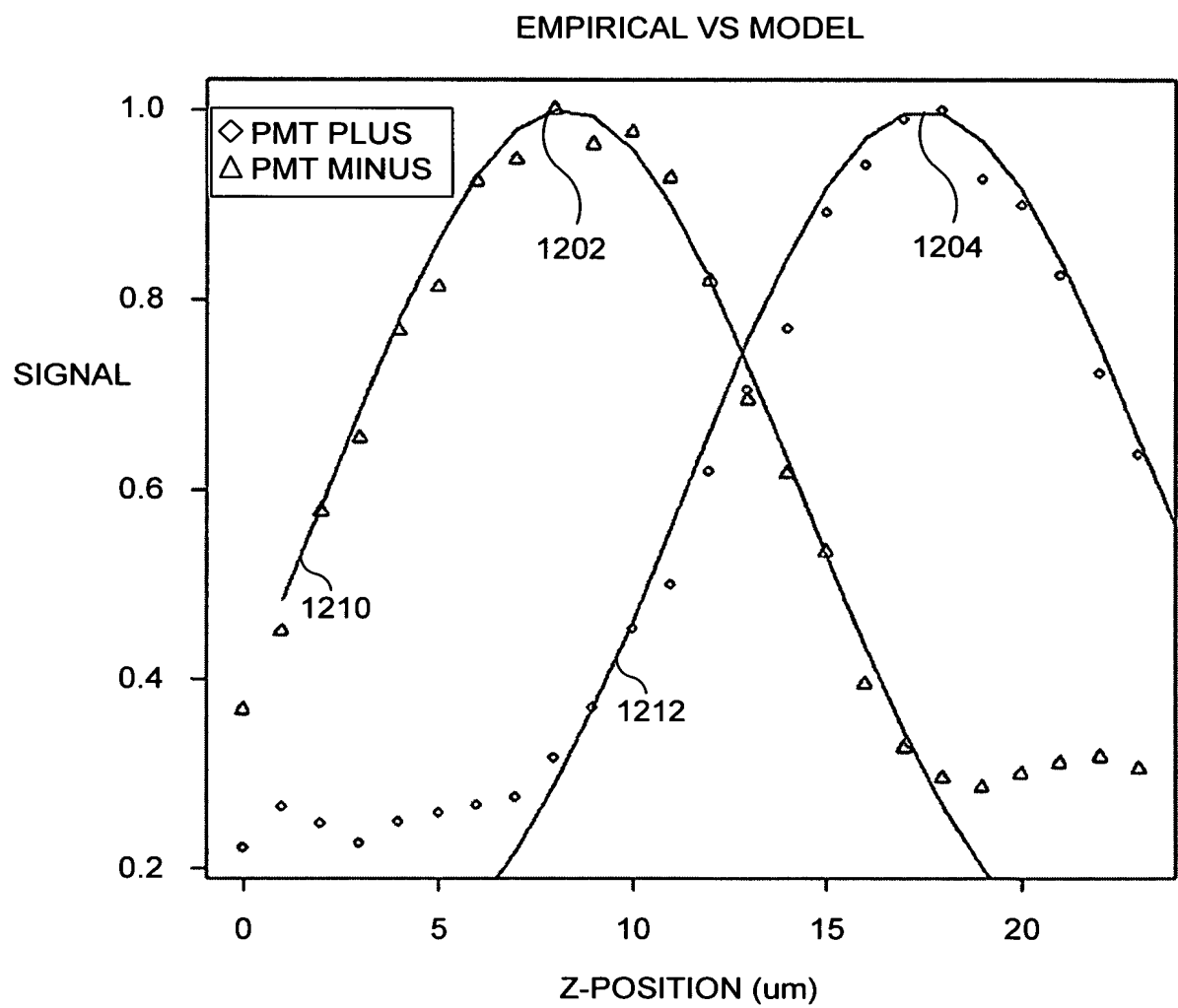


FIG. 12

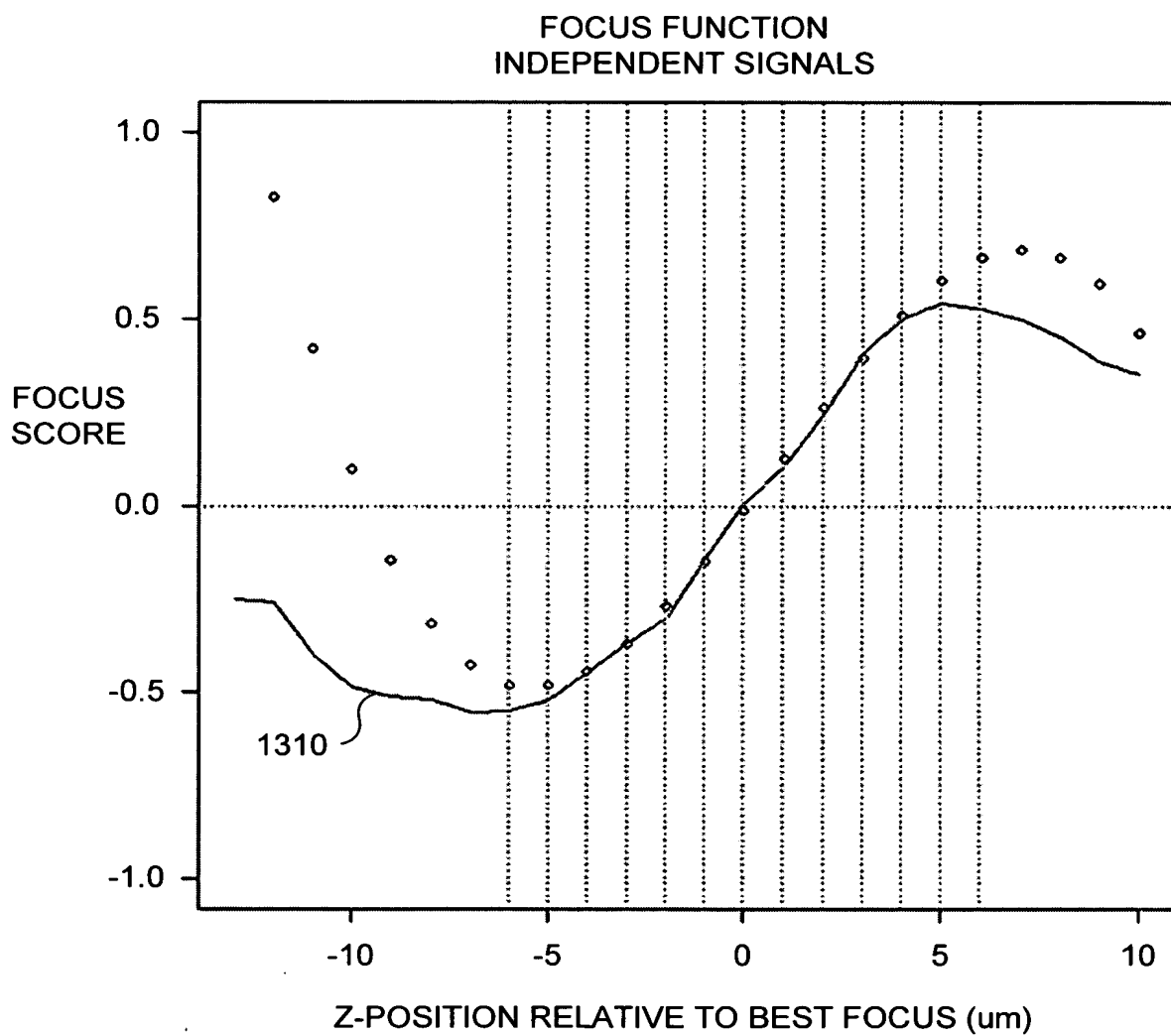


FIG. 13

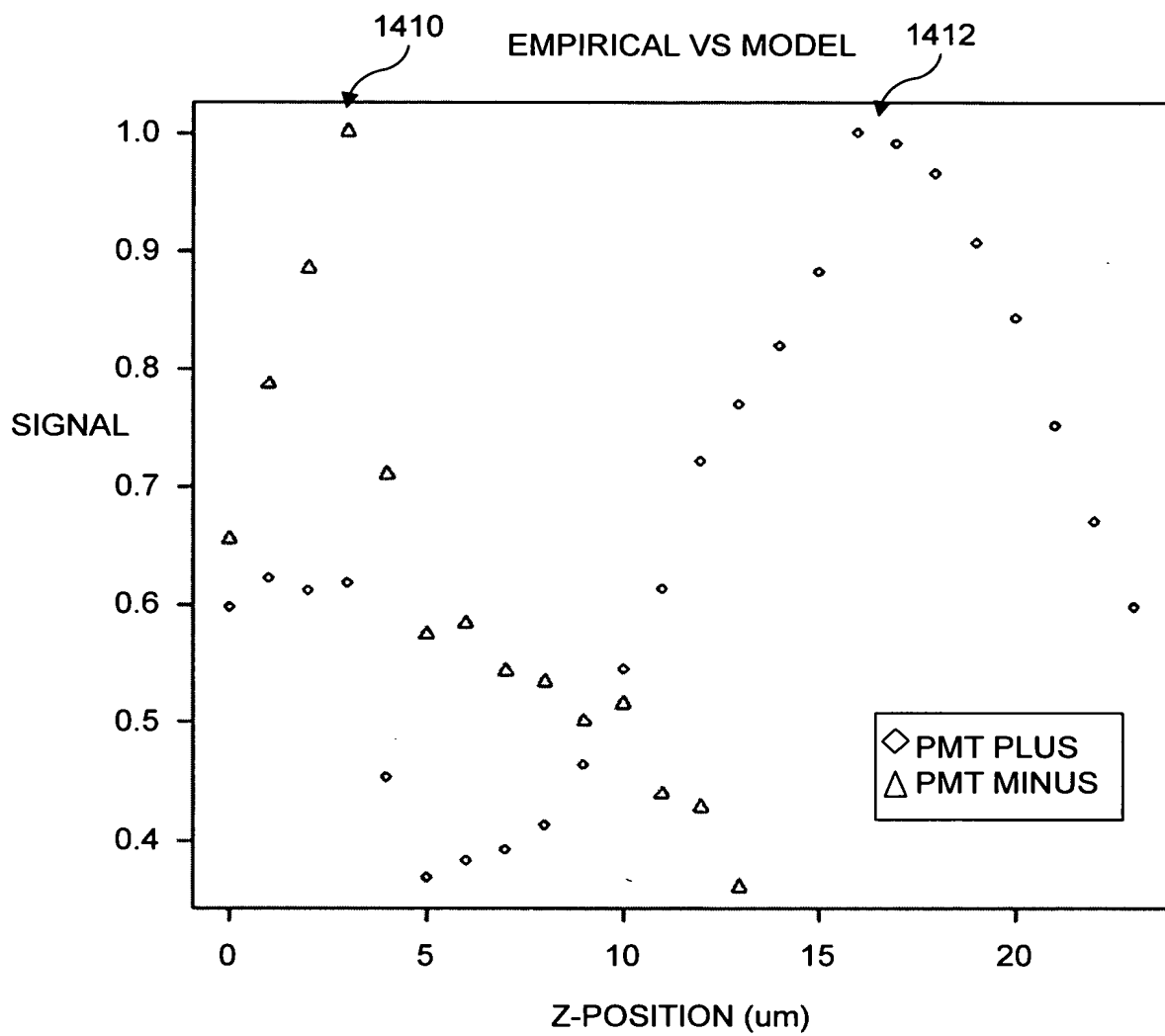


FIG. 14

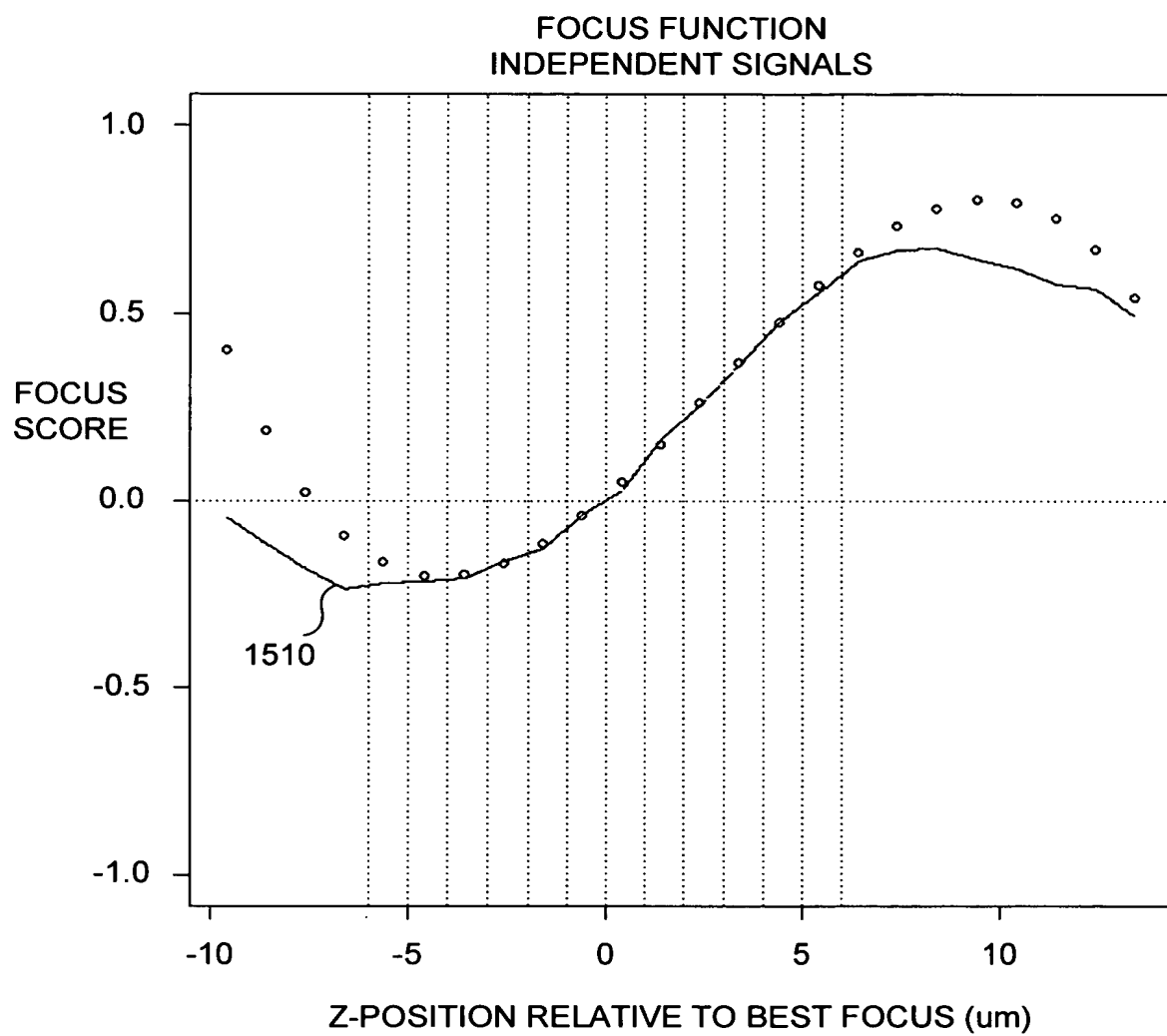


FIG. 15A

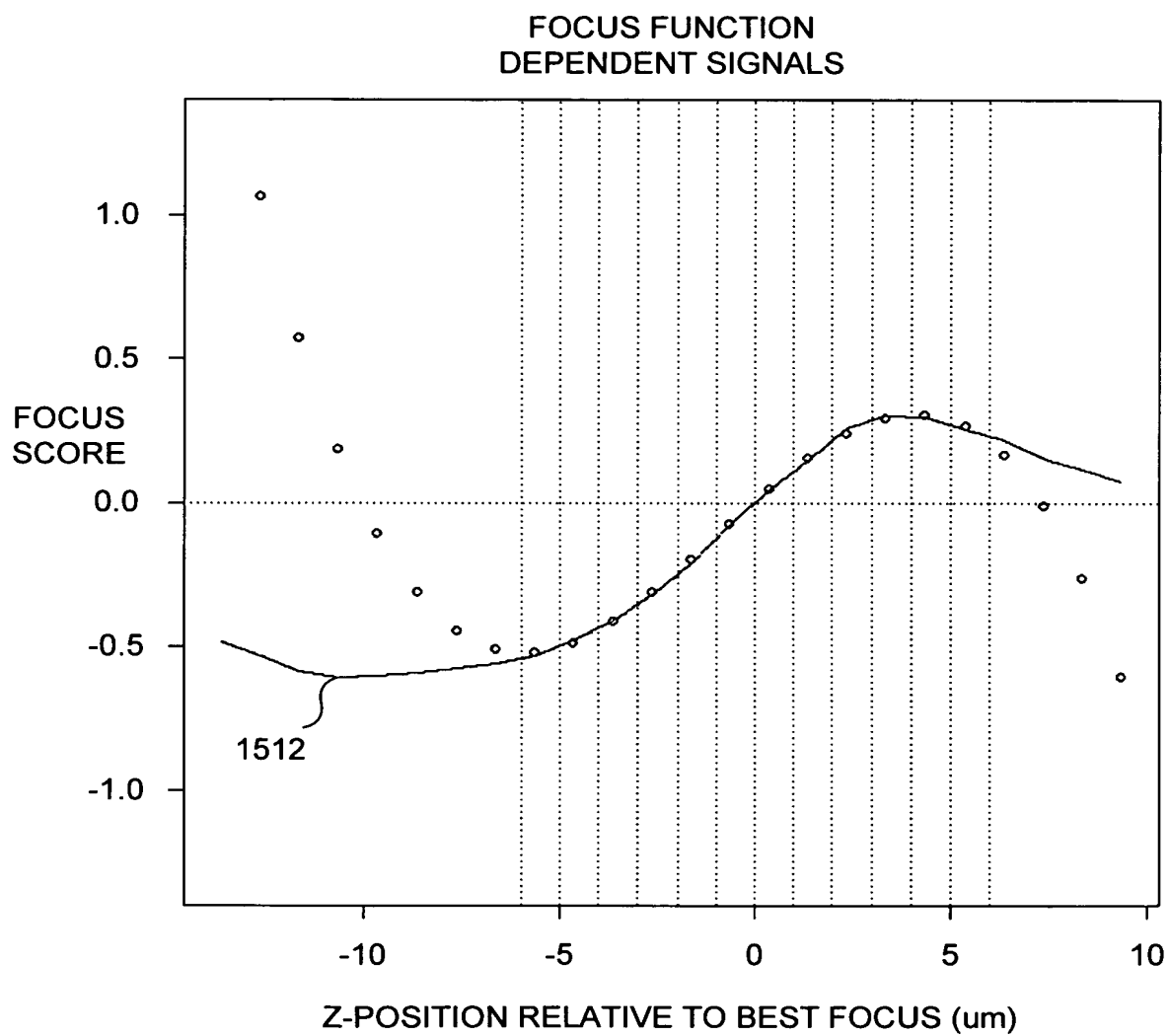


FIG. 15B

DISTRIBUTION OF SCORES
NOT AT BEST FOCUS

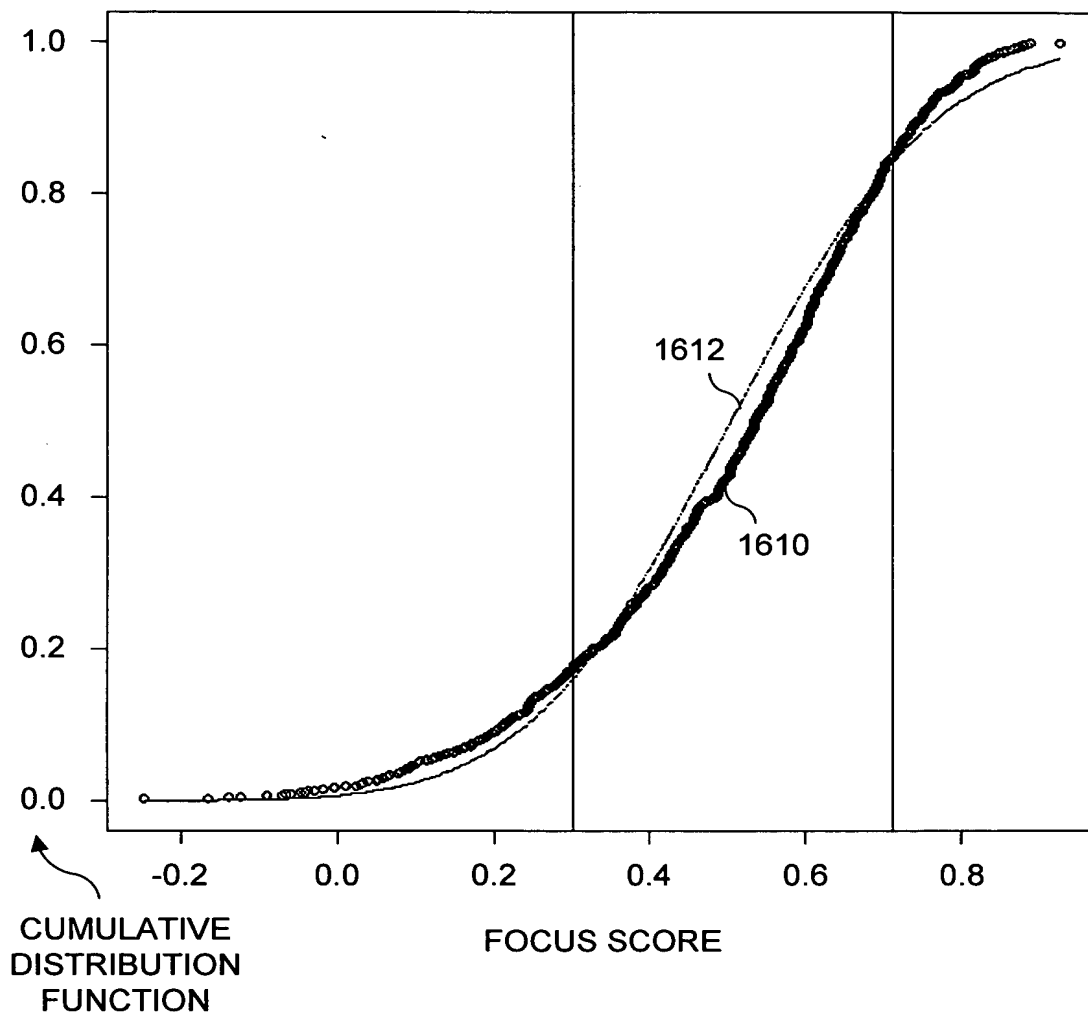


FIG. 16A

DISTRIBUTION OF SCORES
NOT AT BEST FOCUS WITH 10 μ m CORE

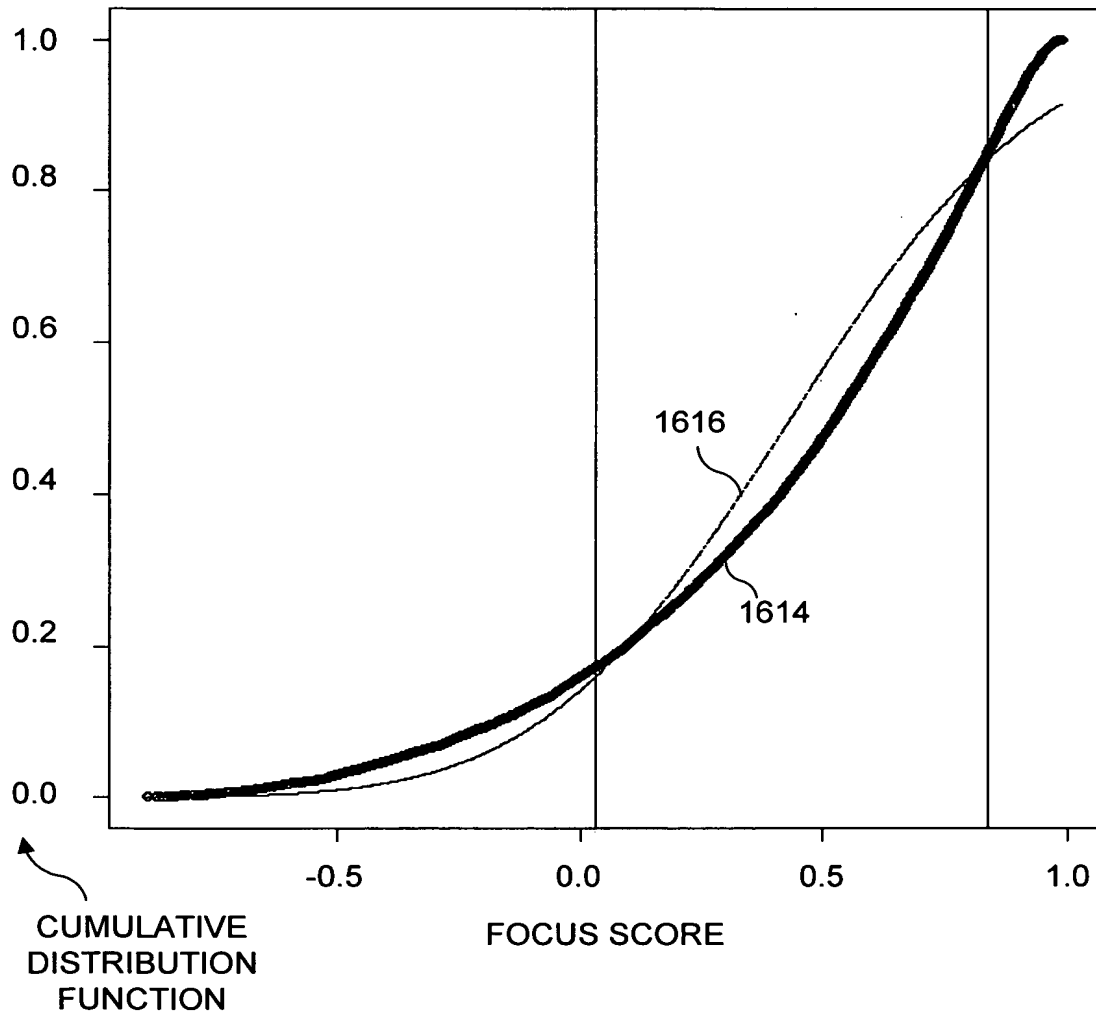


FIG. 16B

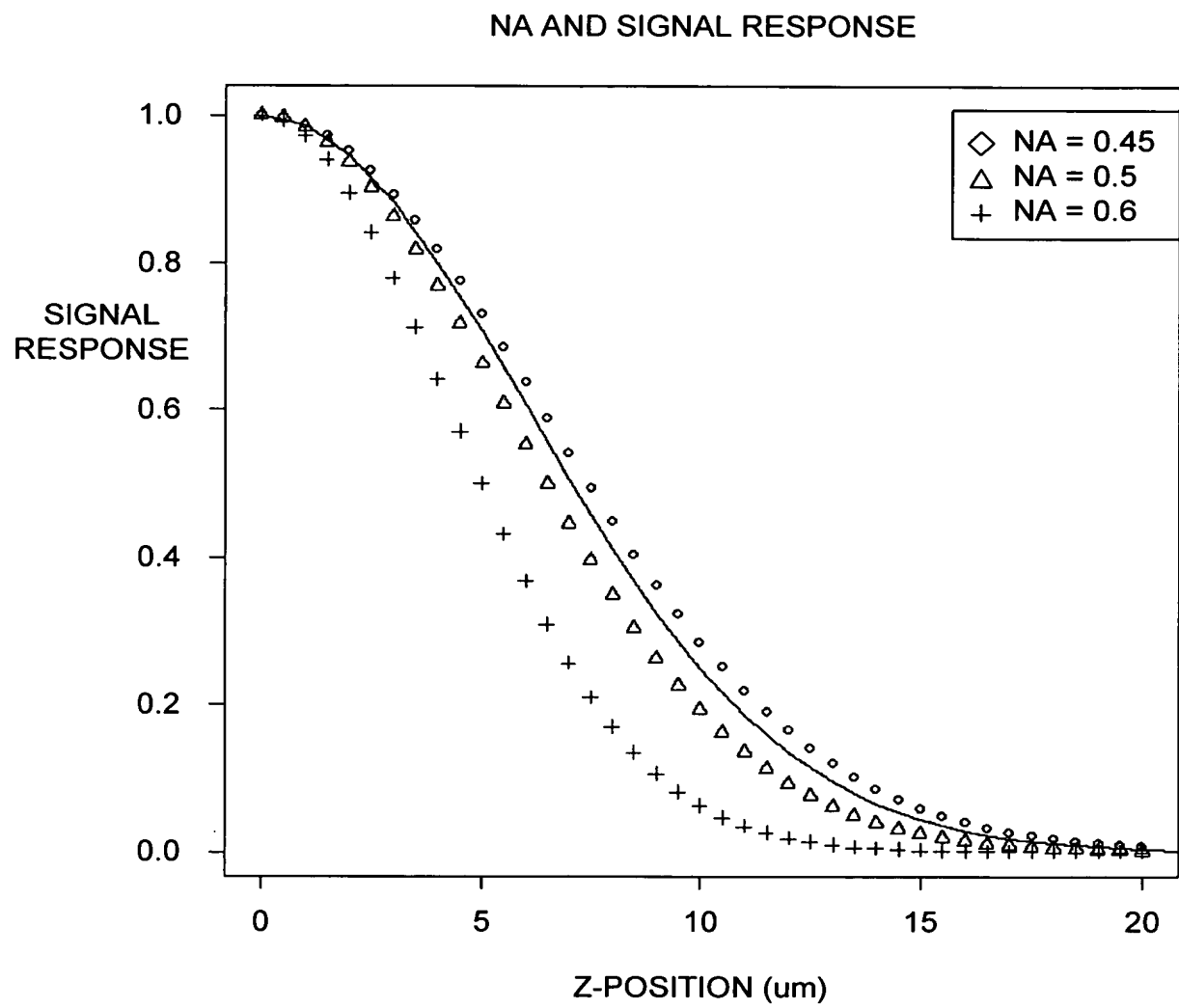
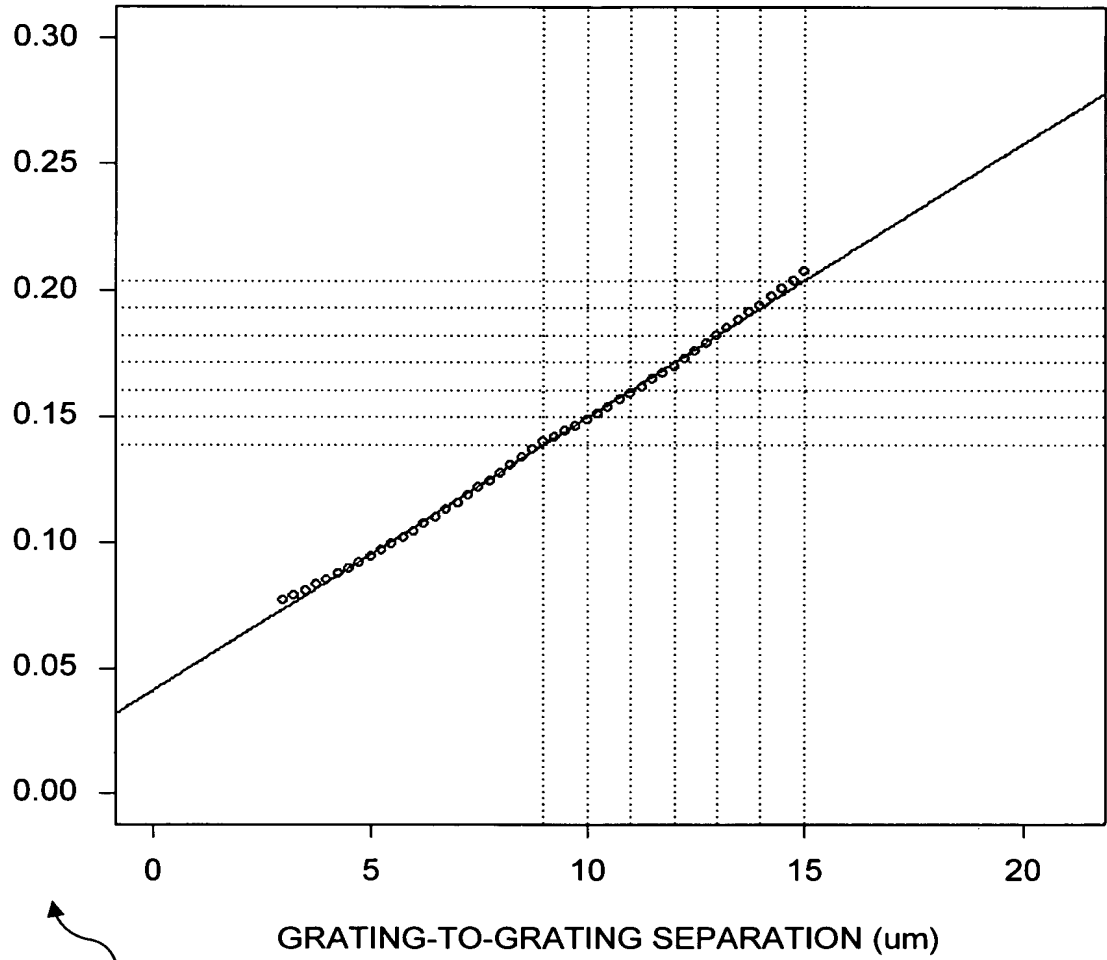


FIG. 17

FOCUS SENSITIVITY VS SEPARATION



FOCUS
FUNCTION
SENSITIVITY

FIG. 18

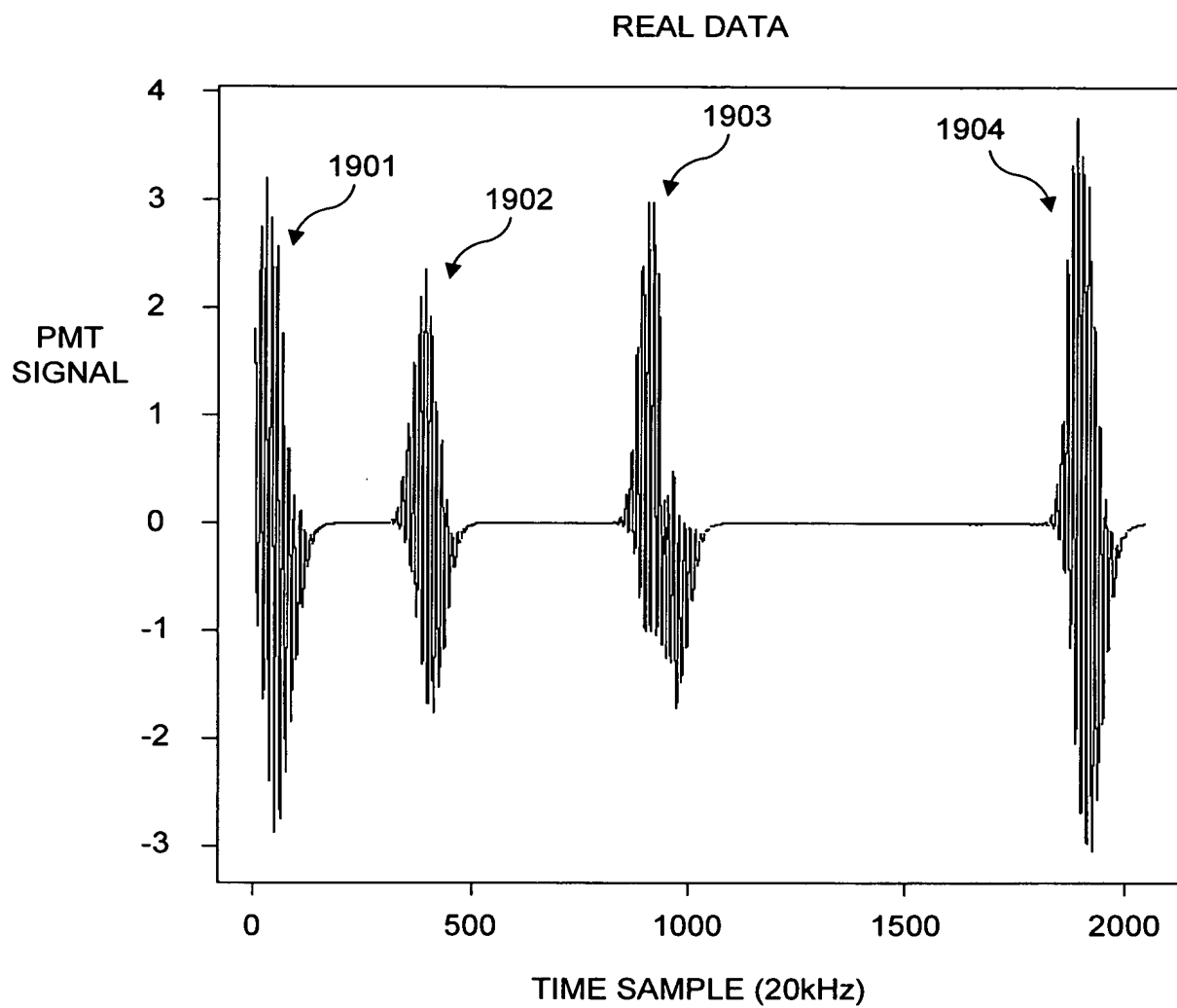


FIG. 19

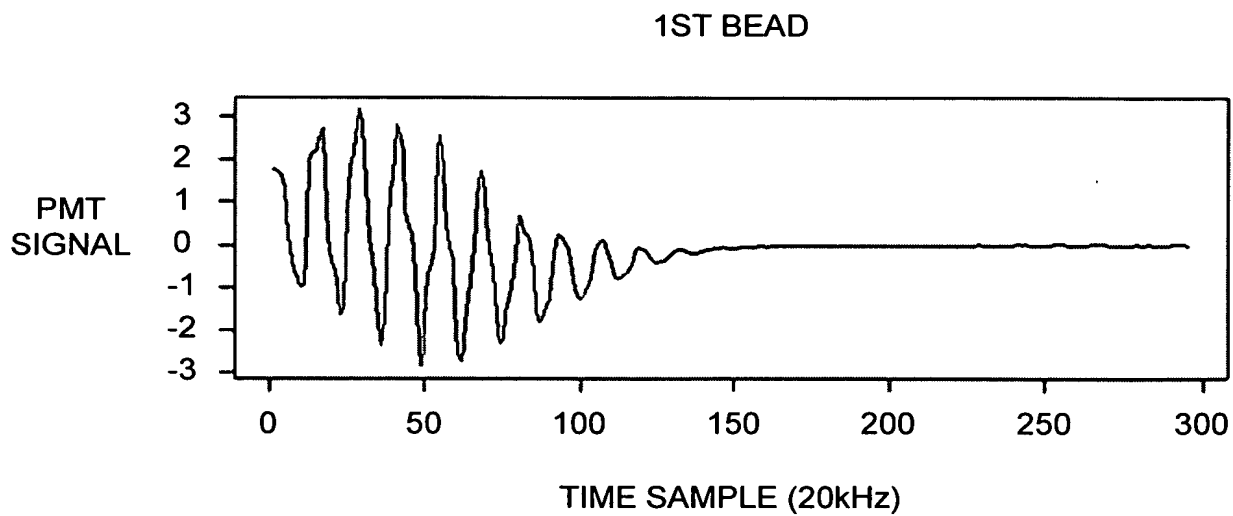


FIG. 20A

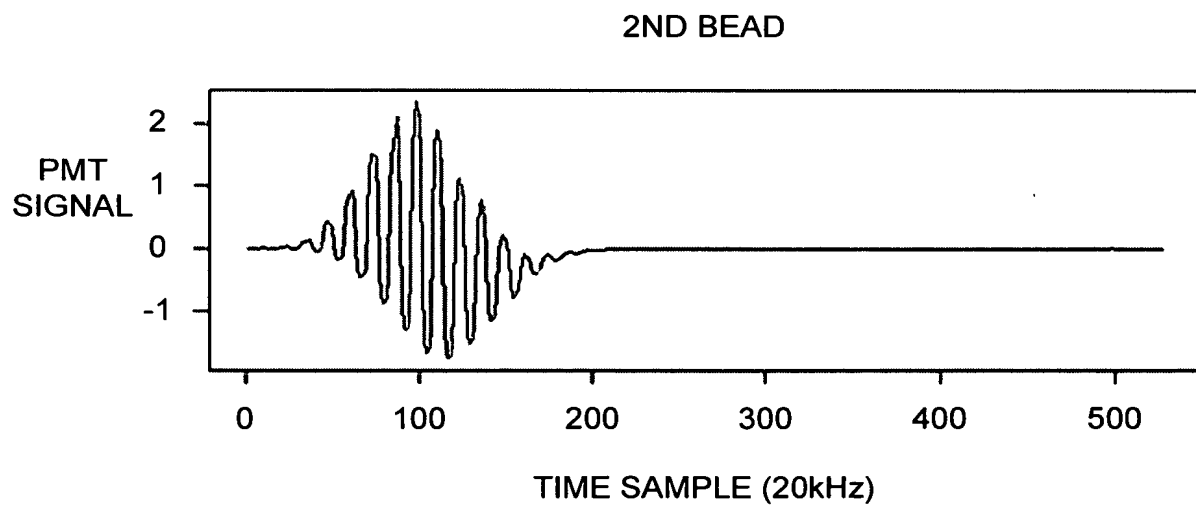


FIG. 20B

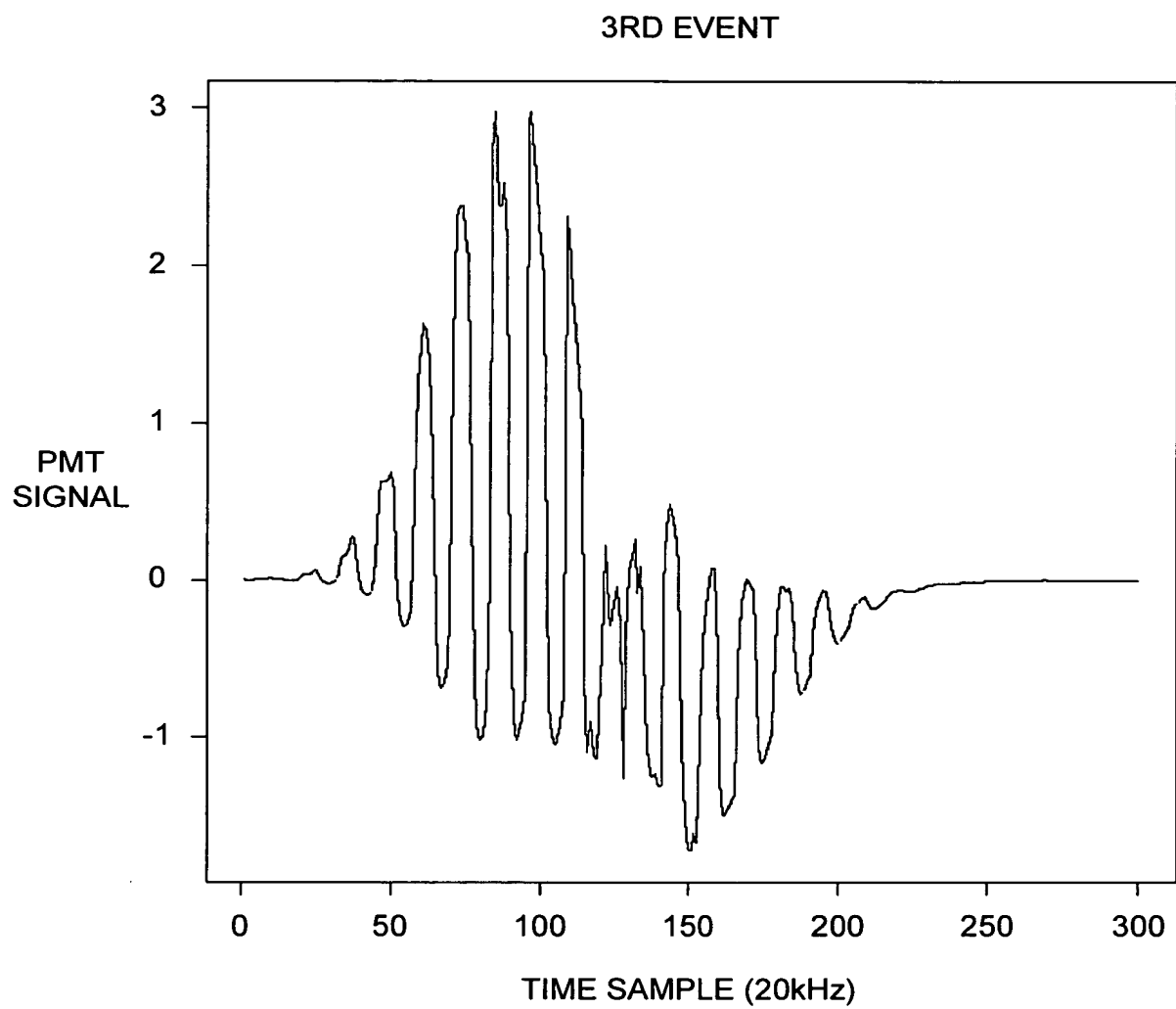


FIG. 20C

REAL DATA: 2ND EVENT

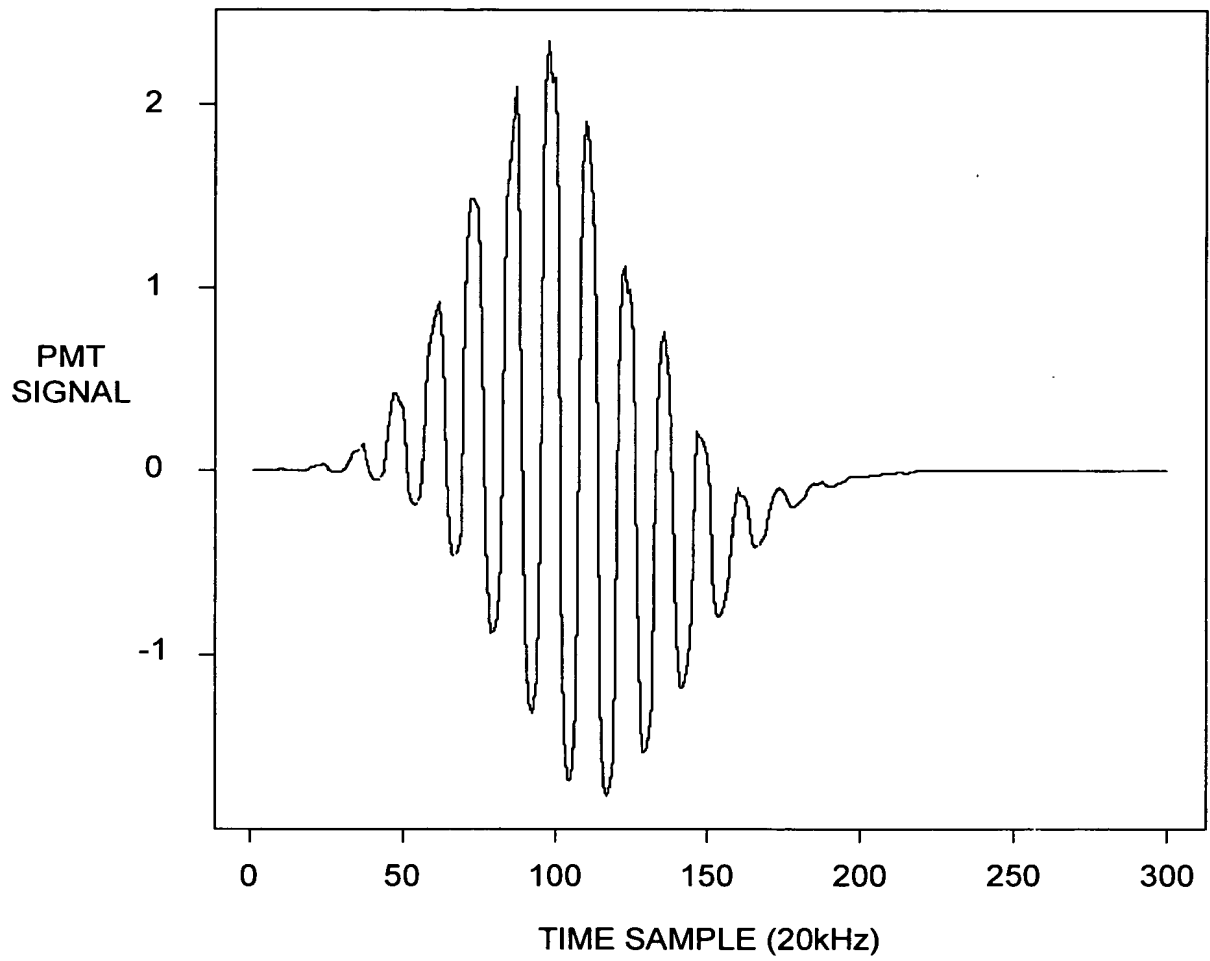


FIG. 21A

SIMULATED DATA: 2ND EVENT

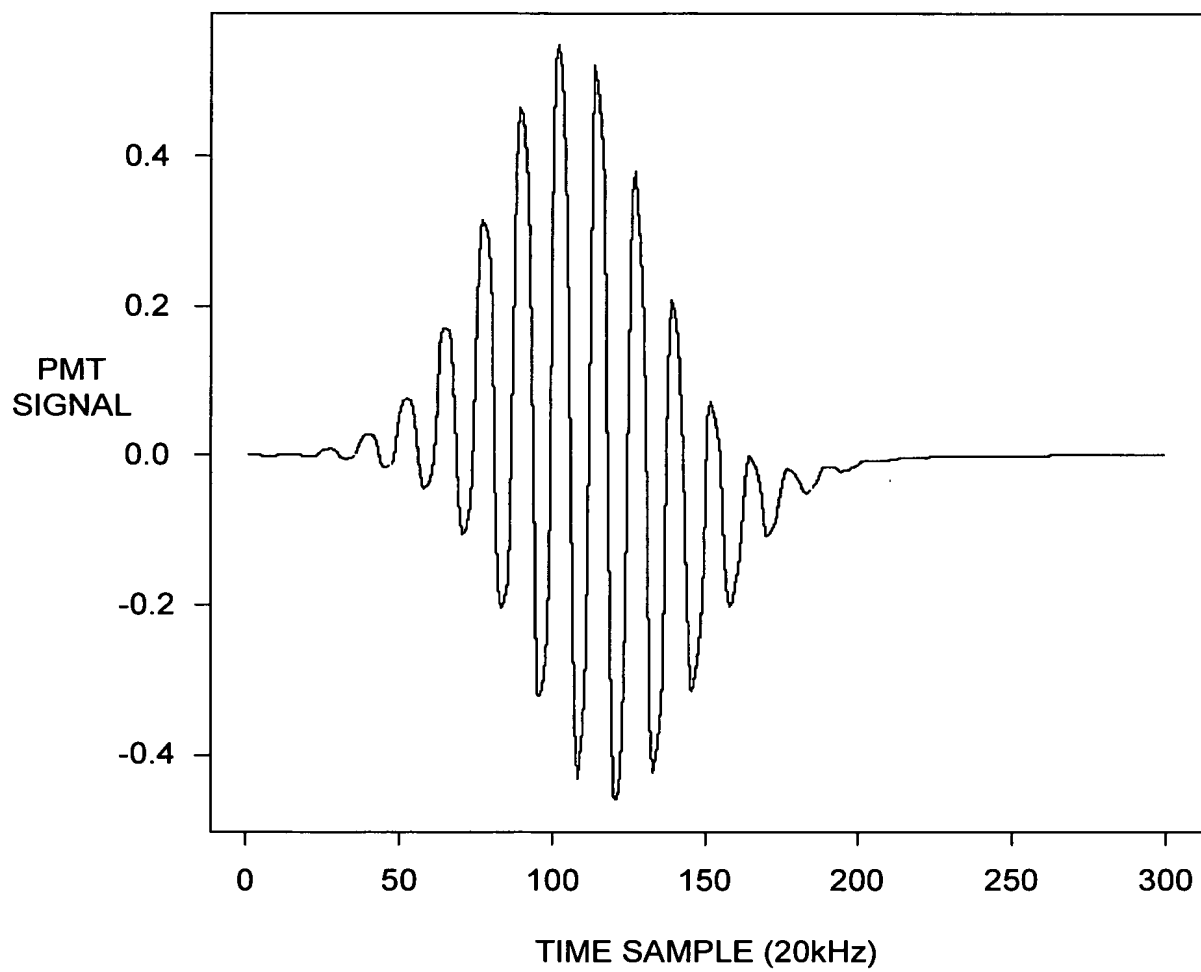


FIG. 21B

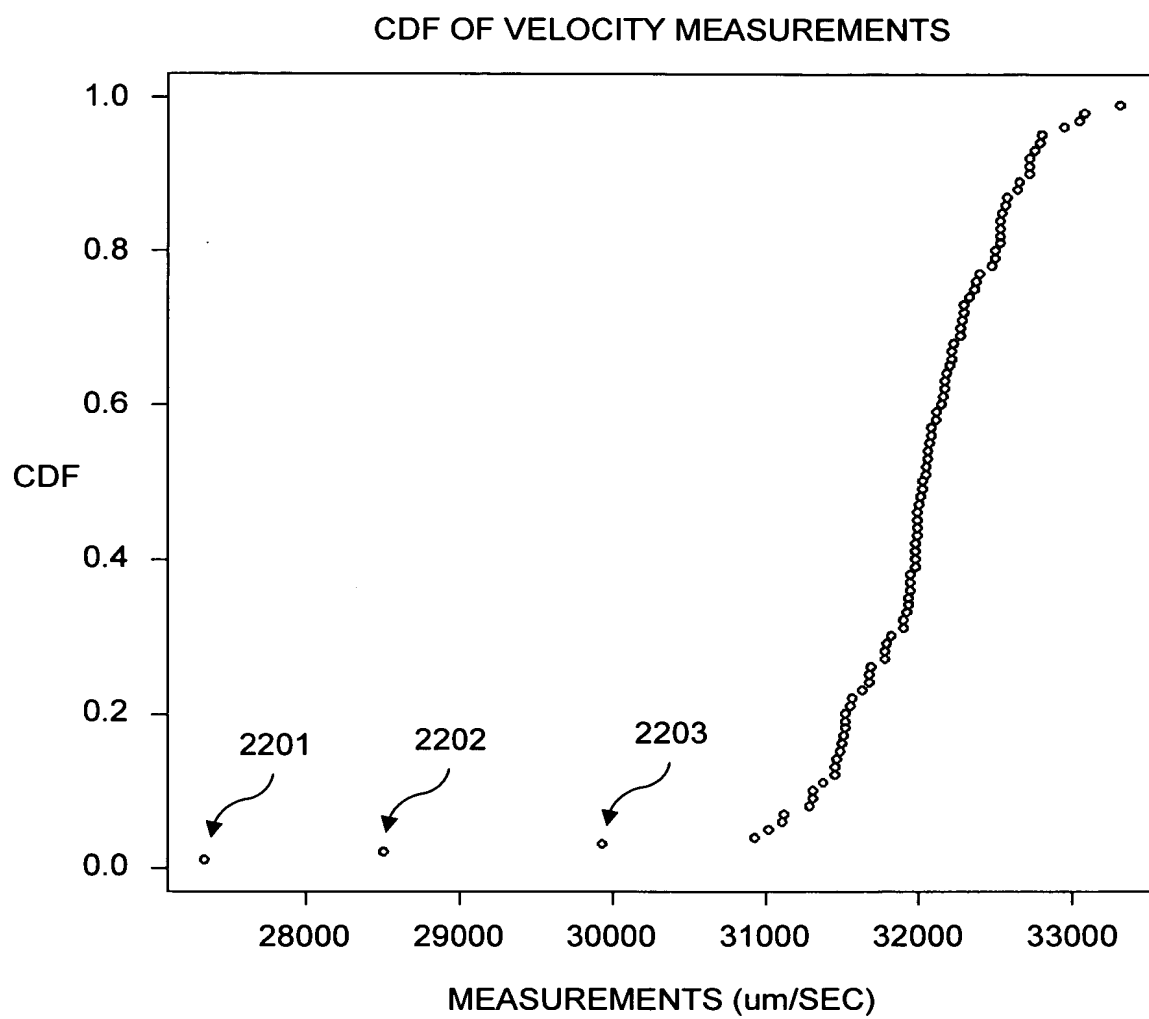


FIG. 22

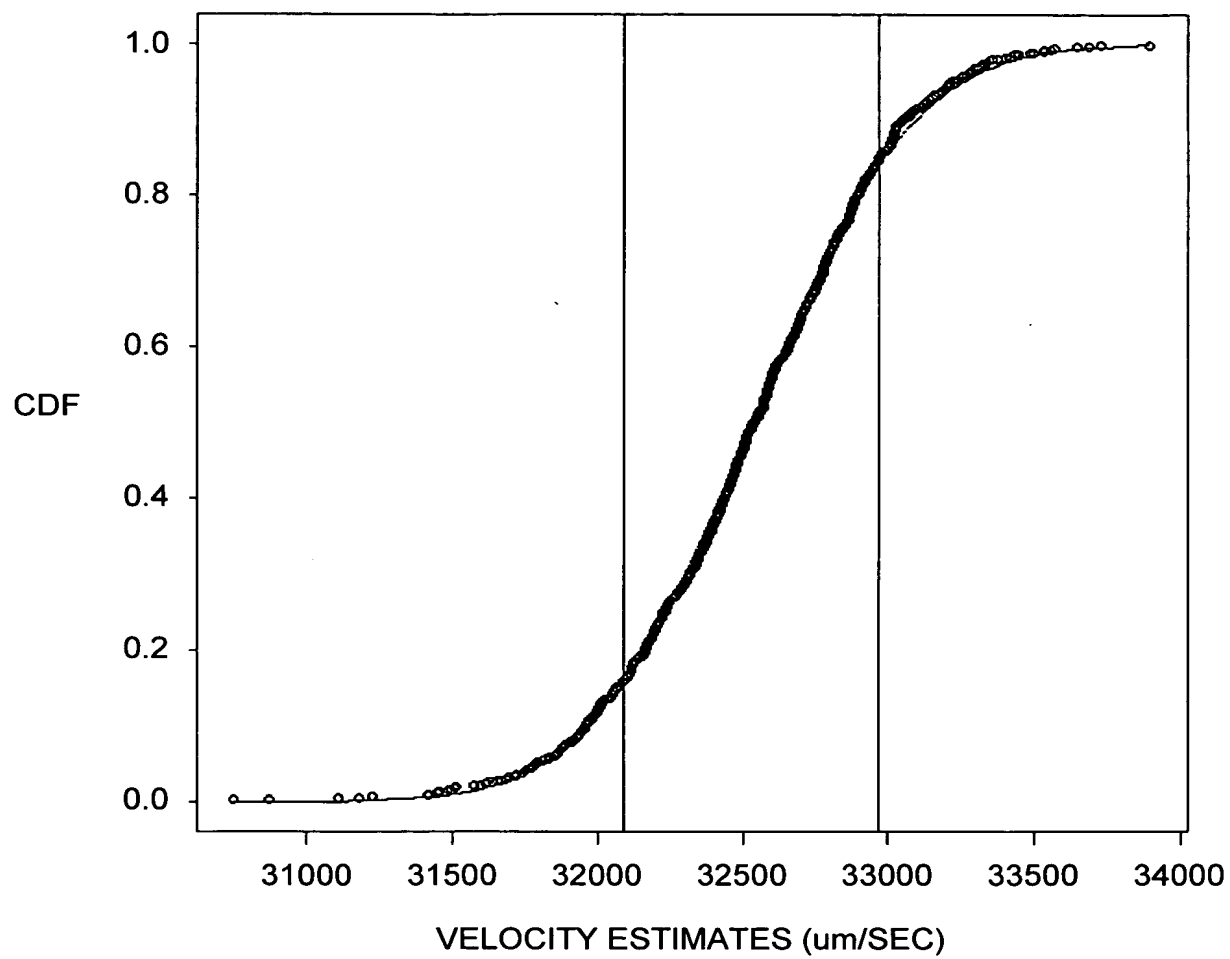


FIG. 23A

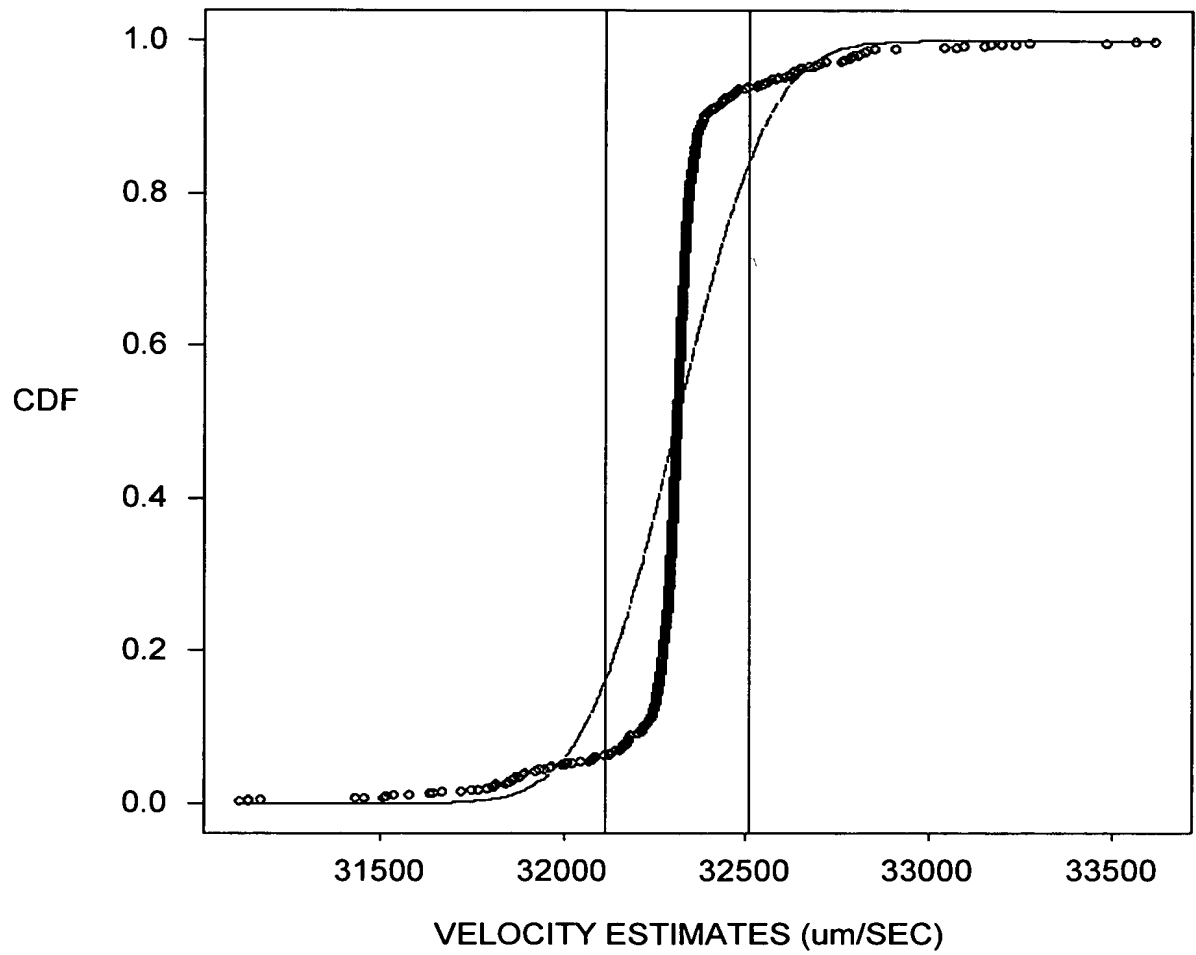


FIG. 23B

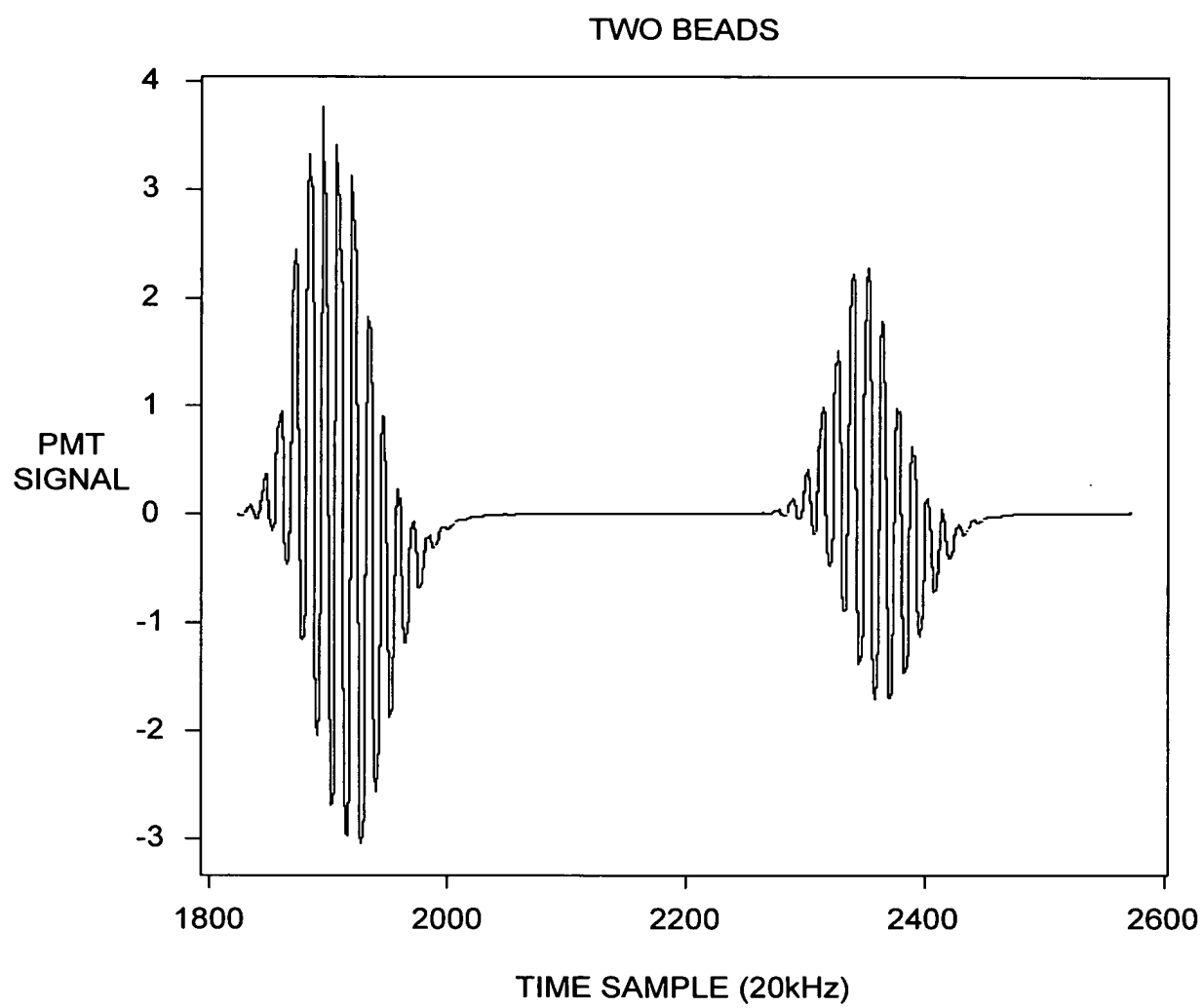


FIG. 24

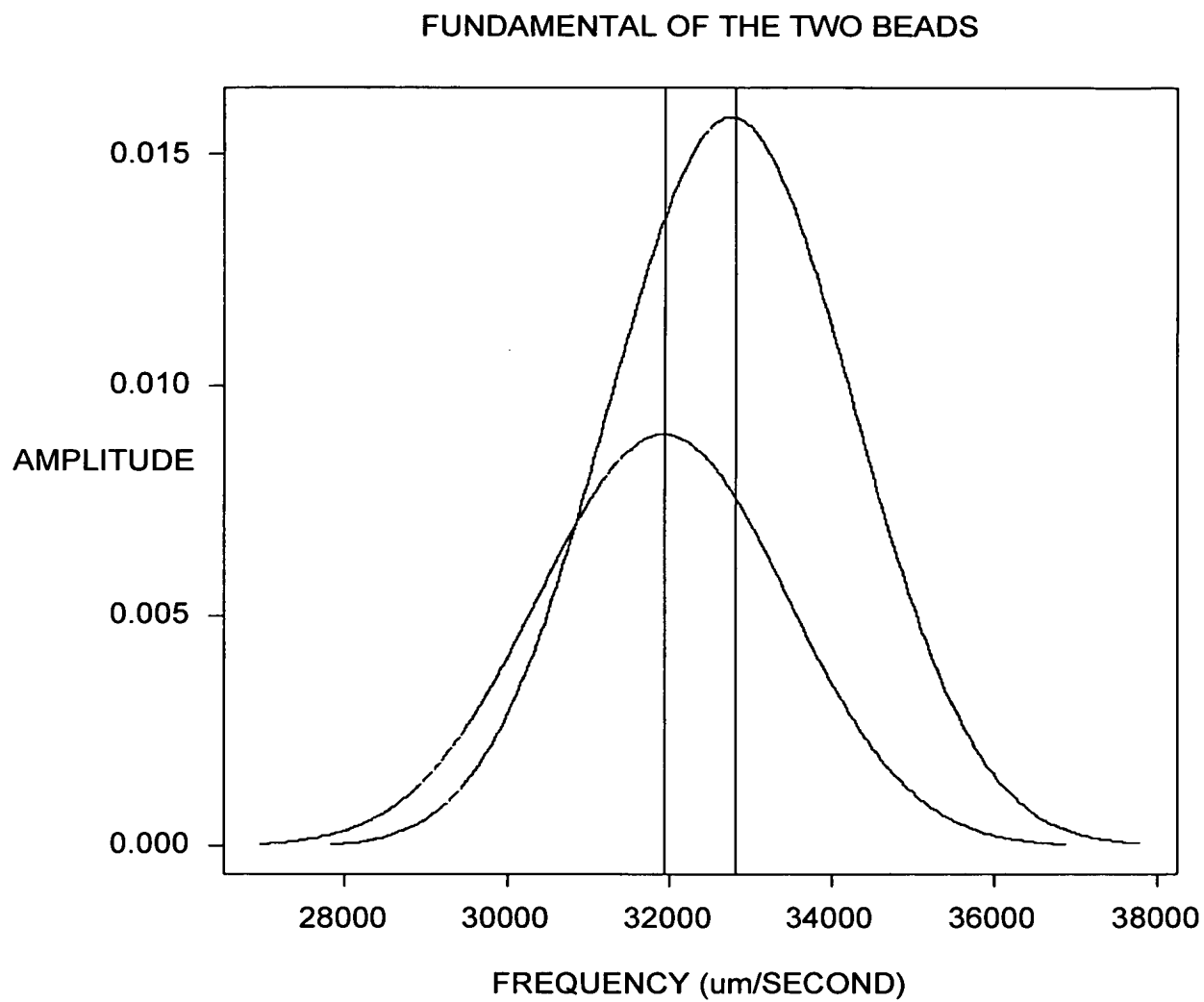


FIG. 25

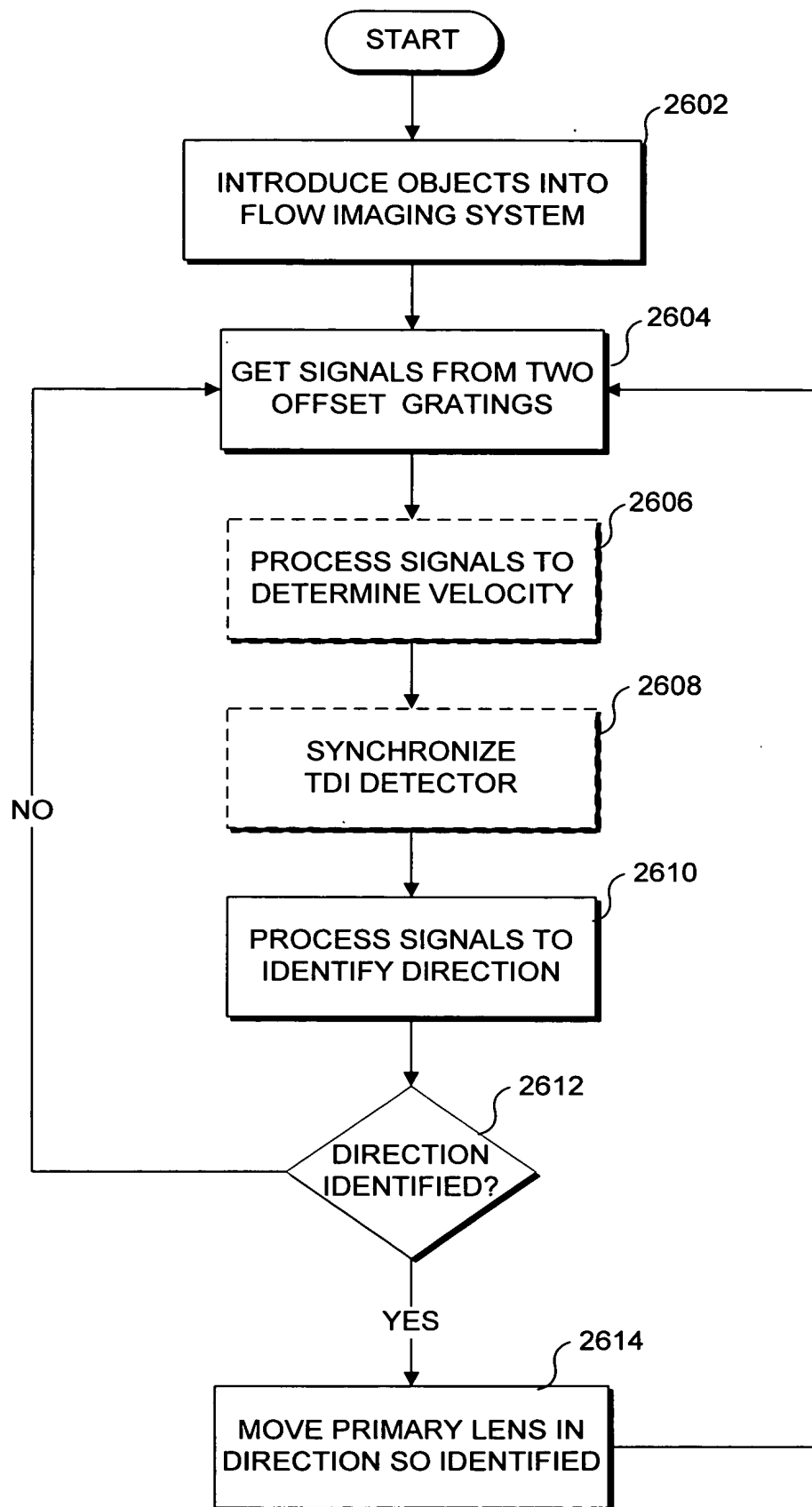


FIG. 26